1697

Apollo Anglicanus,

THE

ENGLISH APOLLO.

Assisting

All Persons in the right Understanding of this Years Revolution, as also of things past, present, and to come.

With necessary Tables plain and useful.

A twofold Kalendar, *viz. Julian* or *English*, *Gregorian* or *Forain* Computations more plain and full than any other, with the Rising and Setting of the Sun, the Nightly Rising and Setting of the Moon, and also her Southing, exactly calculated for every day. Of general use for most men.

Being the first after *Bissextile* or Leap-Ye.

To which is added the Moons application to the fixed Stars: With the Calculation of the Eclipses: also Rules and Tables for the measuring of Timber: with many other things both pleasant, useful and necessary.

Calculated according to Art and fitted to the Meridian of *Leicester*, whose Latitude is 52 Degrees 41 Minutes, exactly suiting all the middle Counties of *England*, and without sensible error the whole Kingdom.

By RICHARD SAUNDER.

Student in the Physical and Mathematical Sciences.

LONDON: Printed by *Henry Clark*, for the Company of STATIONERS. 1697.

7	The Golden Number.	
C	The Dominical Letter.	
17	The Epact.	
February 14	Shrove Sunday.	February 1
May 13	Aſcenſion day.	May 1
May 23	Whitſunday.	May 2
November 28	Advent-Sunday.	December

A Table of the four Terms and their Returns.

Hilary Term begins *January* 23. ends *February* 12

Eſſoin-days.		*Except.*	*Ret. Brev.*	*Appear.*
Octab. Hillar. Jan.	20	January 21	Jan. 22	Jan. 2
Quind. Hillar. Jan.	27	January 28	Jan. 29	Jan. 3
Craſtin. Purif. Feb.	2	February 4	Febr. 5	Febr.
Octab. Purif. Feb.	9	February 10	Febr. 11	Febr. 1

Easter Term begins *April* 2[illegible]. ends *May* 17.

Quind. Paſch. April 10	April	20	April	20 April 2
Tres. Paſch. Apr. [illegible]	Apr.	27	Apr.	27 Apr 2
Mens. Paſch. May [illegible]	May	4	May	4 May 5
Quinq. Paſch. May 10	May	11	May	11 May 12
Craſt. Aſcenſ. May 14	May	15	May	15 May 17

Trinity Term begins *June* 4. ends *June* 23.

Craſt. Trin. May 31	June	1	June	2 June 4
Octab. Trin. June 7	June	8	June	8 June 9
Quind. Trin. June 14	June	15	June	15 June 16
Tres. Trin. June 21	June	22	June	22 June 23

Michaelmas Term beg. *Octob.* 22. ends *Novemb.* 28.

Tres. Mich. Octob. 20	Octob.	21	Octob.	22 October 2
Mens. Mich. Octob. 27	Octob.	28	Octob.	29 October 3
Craſt. Anim. Nov. 3	Novemb.	4	Novemb.	5 Novemb.
Craſt. Mart. Nov. 12	Novemb.	13	Novemb.	13 Novemb. 1
Octab. Mart. Nov. 18	Novemb.	19	Novemb.	20 Novemb. 2
Quind. Mart. Nov. 25	Novemb.	26	Novemb.	27 Novemb. 2

A Table of the KINGS and QUEENS of England, since the Conqu

	Born Anno	Began to reign.	Reigned Y.	M	Since their Reigns ended.	Buried
William 1	1023	1066, Oct. 14	20	11	610, Septem. 9	Caen
William 2	1057	1087, Sep. 9	12	11	597, Auguſt 2	Winch
Henry 1	1068	1100, Aug. 1	35	4	562, Decem. 1	Redin
Stephen	1105	1135, Dec. 2	18	11	543, Octob. 25	Fever
The Saxon Line reſtor'd.						
Henry 2	1132	1154, Oct. 25	34	9	508, July 6	Fountev
Richard 1	1152	1189, July 6	9	9	498, April 6	Fountev
John	1165	1199, April 6	17	7	481, Octob. 19	Worceſt
Henry 3	1207	1216, Oct. 9	56	1	425, Nov. 16	Weſtmi
Edward 1	1239	1272, No. 16	34	8	90, July 7	Weſtmi
Edward 2	1283	1307, July 7	19	7	371, Jan. 25	Gloceſt
Edward 3	1312	1327, Jan. 25	51	5	320, June 21	Weſtmin
Richard 2	1366	1377, Jun. 21	22	3	298, Sept. 29	Weſtmin
The Line of Lancaſter.						
Henry 4	1367	1399, Sep. 29	13	6	284, Mar. 20	Canterb
Henry 5	1386	1413 Mar. 20	9	5	274, Aug. 31	Weſtmin
Henry 6	1421	1422, Aug. 31	38	6	237 Mar. 4	Windſor
The Line of York.						
Edward 4	1442	1461, Mar. 4	22	1	214, April 9	Winchest
Edward 5	1471	1483, Apr. 9	0	2	214, June 18	Not kno.
Richard 3	1448	1483, Jun. 22	2	2	212, Aug. 22	Leiceſt.
The Families United.						
Henry 7	1455	1485, Aug. 22	23	10	188, April 21	Weſtmin.
Henry 8	1491	1509, Apr. 22	37	10	150, Jan. 28	Windſor
Edward 6	1537	1547, Jan. 28	6	5	144, July 6	Weſtmin.
Qu. Mary	1518	1553, July 6	5	4	139, Nov. 17	Weſtmin.
Qu. Elizab.	1533	1558, No. 17	44	4	94, March 24	Weſtmin.
The Union of the two Kingdoms.						
James 1	1566	1602, Mar. 24	22	0	78, March 27	Weſtmin
Charles 1	1600	1625, Ma. 27	23	11	48, Janu. 30	Windſor
Charles 2	1630	1648, Jan. 30	36	0	12, Februar. 6	Weſtmin.
James 2	1633	1684, Feb. 6	4	0	8, Febru. 13	
William & Mary	1650 / 1662	1689, Feb. 13	Whom God grant long to Reign. Who died *Dec.* 28. 1694.			

You here may ſee a Race of Monarchs Great,
Each for a time did fill the Royal Seat,
Then left the Throne; you ſee it fill'd again,
Pray God our King long time o'er us may Reign;
His Subjects multiply, his Foes decreaſe,
His Kingdoms have Proſperity and Peace.

Omnis Potestas à Deo

A Table of the exact time of the Moon's coming to South in hours and minutes, every day for the first six Months of this Year 1697.

Day	January H. M.	February H. M.	March H. M.	April H. M.	May H. M.	Jun H. M.
1	2M. 50	3M. 25	2M. 7	3M. 20	4M. 4	5M. 28
2	3 32	4 6	2 48	4 14	4 56	6 18
3	4 12	4 50	3 32	5 8	5 52	7 7
4	4 52	5 36	4 24	6 4	6 44	7 56
5	5 33	6 28	5 18	7 2	7 35	8 53
6	6 16	7 22	6 15	8	8 26	9 51
7	7 2	8 20	7 12	8 54	9 20	10 48
8	7 51	9 20	8 9	9 46	10 15	11 46
9	8 45	10 18	9 6	10 40	11 11	12 41
10	9 42	11 17	10 2	11 32	12 6	1A. 34
11	10 40	12 13	10 55	12 26	1A. 2	2 24
12	11 39	1A. 8	11 51	1A. 24	1 56	3 10
13	12 37	2 2	12 48	2 22	2 52	3 56
14	1A. 33	2 54	1A. 44	3 20	3 50	4 41
15	2 25	3 43	2 39	4 17	4 45	5 28
16	3 16	4 36	3 34	5 12	5 32	6 8
17	4 6	5 30	4 30	6 2	6 15	6 50
18	4 56	6 24	5 24	6 50	7	7 31
19	5 46	7 18	6 17	7 35	7 40	8 16
20	6 36	8 12	7 9	8 18	8 20	9 2
21	7 30	9 4	8	9	9	9 51
22	8 25	9 52	8 45	9 42	9 42	10 47
23	9 20	10 38	9 26	10 24	10 28	11 42
24	10 14	11 22	10 8	11 6	11 16	12 37
25	11 6	12 5	10 50	11 48	12 7	0M. 37
26	11 55	0M. 5	11 32	12 32	0M. 7	1 20
27	12 40	0 47	12 15	0M. 32	1	2 22
28	1M. 40	1 27	0M. 15	1 20	1 53	3 15
29	1 23		1	2 14	2 47	4 7
30	2 5		1 45	3 9	3 41	5
31	2 45		2 31		4 35	

A Table of the exact time of the Moon's coming to South in hours and minutes, every day for the last six Months of this Year 1697.

Days	July		August		Septemb.		October		Novemb.		Decemb.	
	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.
1	5	M. 52	7	M. 17	9	M. 4	9	M. 30	10	M. 17	10	M. 16
2	6	44	8	14	9	53	10	10	11		11	
3	7	36	9	11	10	14	10	50	11	44	11	54
4	8	28	10	7	11	84	11	32	12	A. 29	12	A. 45
5	9	24	11		12	5	12	15	1	16	1	36
6	10	21	11	48	12	48	1	A.	2	8	2	29
7	11	18	12	35	1	A. 30	1	44	3		3	30
8	12	14	1	A. 20	2	14	2	30	3	52	4	8
9	1	A. 5	2		2	56	3	10	4	42	4	57
10	1	54	2	40	3	40	4	12	5	33	5	48
11	2	38	3	21	4	30	5	4	6	24	6	36
12	3	20	4	5	5	20	5	56	7	14	7	24
13	4		4	50	6	10	6	50	8	4	8	16
14	4	40	5	36	7		7	44	8	56	9	14
15	5	22	6	24	7	52	8	37	9	48	10	15
16	6	5	7	16	8	45	9	30	10	45	11	18
17	6	52	8	12	9	40	10	24	11	46	12	17
18	7	42	9	8	10	36	11	18	12	47	0	M. 17
19	8	34	10	4	11	33	12	11	0	M. 47	1	15
20	9	27	11		12	30	0	M. 11	1	47	2	19
21	10	22	11	56	0	M. 30	1	11	2	46	3	
22	11	19	12	50	1	28	2	11	3	42	3	42
23	12	16	0	M. 50	2	26	3	12	4	32	4	24
24	0	M. 16	1	42	3	24	4	12	5	18	5	6
25	1	9	2	36	4	22	5	8	6	4	5	48
26	2	2	3	30	5	20	5		6	48	6	30
27	2	55	4	26	6	15	6	76	7	30	7	12
28	3	46	5	26	7	9	7	30	8	10	7	54
29	4	38	6	17	8		8	12	8	50	8	42
30	5	30	7	14	8	46	8	54	9	30	9	30
31	6	23	8	11			9	35			10	22

To find the time of High-Water in most Coasts of England.

First seek the Moons Southing on the foregoing Table for your day, for then you may conclude it High-water at *Southampton*, *Quinborough*, and *Portsmouth*, for there the South and North Moons make a High-water: But when you desire the time of full Sea in any of the following Coasts in the ensuing Table, find the name of the place, and see how many Hours and Minutes be annexed thereunto in the Column under H. M. which added to the time of the Moons coming to the South, gives you the time of High-water for the place required.

A Tide-Table, with the names of the Havens

	H.	M.
Rochester, Malden, Aberdeen,		45
Gravesend, Romney, Ramkins,	1	30
London, Tinmouth, Hartlepool,	3	0
Frith, Leith, Dunbar, Narbon,	4	30
Newcastle, Falmouth, Humber,	5	15
Lyn, Antwerp, Plimouth, Hull,	6	0
Bristol, Lanson, Foulnes,	6	45
Milford, Bridgwater, North-coast,	7	30
Portland, Peterport, Hartslew,	8	51
Dover, Yarmouth, Harwich, Dublin	10	30
Calais, Rye, Winchelsey, Calshot.	11	15

Example.

The 15 of *August* this Year, it is required to know the time of High-water at *London*. By the Table of the moons southing over against the 15. of *August* I find the moon south at 6 h. 24 M. afternoon: then in the preceding Tide-Table against *London*, I find 3. h. 0. m. which added to 6 h. 24 m. makes 9 h. 24 m. being the time of High-water at *London*, the 15 of *August* in the Afternoon. So of any other.

Note, That the Tide floweth considerably more at the new and full of the moon than at the first and last Quarters as the Latitude of the moon and winds may alter it an hour sooner or later.

Directions for the subsequent Diary or Almanack.

IN the first Column on the left hand, on the left-hand Page, you have the Numerical Figures of the days of the Month.

In the second Column you have the week days, and the Dominical Letter.

In the third Column you have the Saints days, and the places of the Planets once a Month; as also the Moons application to the fixed Stars, by which the Asterisms and Constellations may be easily known to an ingenious eye and understanding.

In the fourth Column the Moons place in the Zodiack every day at noon.

In the fifth Column the Rising and Setting of the Moon, with respect to her Latitude.

In the sixth Column the Mutual Aspects of the Planets, with the general state of the Weather.

In the first Column on the Right-hand Page you have the English Account.

In the second Column you have the Roman Account.

In the third Column the Roman Week days.

In the fourth Column the perfect Roman Kalendar, and Saints days.

In the fifth Column you have a discourse of Unity, &c.

The sixth, seventh, and eighth Columns, the utmost to the Right hand, shew you the daily Rising and Setting of the Sun.

On the top of the left hand Page is set the New and Full Moons, with the First and Last Quarters.

On the top of the right hand Page is set the Rising, Southing and Setting of the Planets.

January hath xxxi. days.

☾ Last quarter the 5 day, at noon.
● New Moon the 12 day, at 2 at night.
☽ First quarter the 19 day, at 3 afternoon.
○ Full Moon the 27 day, at 3 morning.

1	♃	New Years day	virg.	9	9	A. 8	Moons Rising.	Fair and frosty
2	♄	☽ n. Caud-leon.	virg.	21	10	10		△ ♃ ♀ at the
3	☾	☽ n. Vindemiat.	libra	3	11	12		begin. but about
4	♃	☽ n. Spic. Virg.	libra	14	12	15		the 5 day wind
5	♃	Epiphany	libra	26	0	M. 15		□ ☉ ♃ with sno
6	♄	☽ n. south ball.	scorp.	8	1	18		or cold rain is ex
7	♃	☽ n. north ball.	scorp.	21	2	24		☌ ☉ ♄ pected
8	♃	☽ n. Antares	sagit.	4	3	18		□ ♃ ☿ probabl
9	♄	Sol in Aquar.	sagit.	17	4	30		☌ ♄ ☿ plenty
10	♃	2 Sun. past Ep.	capri.	0	5	28		thereof, also abo
11	♃	☽ n. caud. Vult.	capr.	14	6	18		the New Moon
12	♄	♄ ♍ 29	capr.	29	New	●		☌ ☉ ☿ expect
13	♄	♃ ♎ 27	aqua.	13	5	A. 48	Moons setting.	windy weather
14	♃	♂ ♎ 20	aqua.	25	7	10		with moisture
15	♃	♀ ♓ 12	pisces	13	8	33		afterwards frosty
16	♄	☿ ♍ 10	pisc.	27	9	45		for some time,
17	☾	2 Sun. past Ep.	aries	11	11			then close foggy
18	♃	☽ n. prim. Oscar	aries	25	12	15		weath. for some
19	♄	☽ n. Au. [illegible]	taur.	9	0	M. 15		days, yet it may
20	♄	☽ n. Pleiades	taur.	23	1	30		probably contin-
21	♃	S. Agnes	gem.	6	2	42		frosty and seaso-
22	♃	☽ n. Alhalot	gem.	19	3	44		△ ♃ ♂ nable.
23	♃	Term begins	canc.	3	4	45		But about the
24	☾	3 Sun. past Ep.	canc.	15	5	27		Full Moon w
25	♃	Conv. S. Paul	canc.	28	6			△ ♃ ☿ may
26	♃	☽ n. Asellos	leo	11	6	33		expect wind &
27	♄	☽ n. Cor leonis	leo	23	Full	●		☌ ♅ ☿ rain &
28	♃	☽ n. [illegible] leo.	virg.	5	7		☾ Rising.	snow or blustrin.
29	♃	☽ n. Cau. leo.	virg.	17	8			weather at the
30	♄	K. Cha. I. Mart.	virg.	29	9			✱ ♄ ♀ end.
31	☾	Septuagesima	libr.	11	10			

Saturn is hid under the Sun beams.
Jupiter rises about midnight.
Mars sets a little after the Sun.
Venus sets between 6 and 7 at night.
Mercury at the beginning is Combust, at the end he emerges from the Sun beams.

English Accompt	Forei. Accompt	Rom. Kalenda.	Kom. Sts. Days					
1	11	D	Hyginus	In my last (speaking of the Viciſſitude of things, amongſt other matters ſomething was ſaid of Sects and Religions, of which a little farther.		8	6	3 5
2	12	E	Satyrius				5	3 55
3	13	F	3 paſt Epip.				3	5
4	14	G	Felix				2	58
5	15	A	Mauris			8	0	4
6	16	B	Marcellus	*RElegion being the chief band of humane Society, it's a happy thing when it ſelf is well contain'd within the true band of Unity. The quarrels and diviſions about Religion were Evils unknown to the Heathen; the reaſon was becauſe the Religion of the Heathen conſiſted rather in Rites and Ceremonies than in a conſtant Belief. For you may imagine what kind of Faith theirs was when the chief Doctors and Fathers of their Church were only Poets. The true God has this Attribute, that he's a jealous God, therefore his worſhip and religion will endure no mixture or partner, we ſhall therefore ſpeak of the Unity of the Church:*	7	59	4	1
7	17	C	Anthon		7	58		2
8	18	D	Rontian				56	4
9	19	E	Wolſtan				55	5
10	20	F	2 paſt		10	7	53	4 7
11	21	G	Agnes		11		51	9
12	22	A	Vincent		12		50	10
13	23	b	Emerent		13		48	12
14	24	c	Timothy		14		46	14
15	25	d	Conv. S. Paul		15		45	15
16	26	e	Policarp		16		43	17
17	27	f	3 paſt E pip.		17		41	19
18	28	g	Julian		18		39	21
19	29	a	Valerius		19		38	22
20	30	b	Adelgund		20	7	36	4 24
21	31	c	Saturn		21		34	26
22	Febr.	d	Bridget		22		32	28
23	2	e	Purif. Mary		23		31	29
24	3	f	Septuageſima		24		29	31
25	4	g	Gilbert		25		27	33
26	5	a	Agatha		26		25	35
27	6	b	Dorothy		27		23	37
28	7	c	Zachary		28		22	38
29	8	d	Wil. B.Y.		29		20	40
30	9	e	Apollon.		30	7	18	42
31	10	f	exageſima		31		16	44

☾ Laſt quarter the 4 day at 8 in the morning.
● New Moon the 11 day, half an ho. aft. 6 in the mor
☽ Firſt quarter the 18 day, at 1 in the Morning.
● Full Moon the 25 day, at 9 at night.

Month.	Week Da	Feſtival & Saints days, with the ☽ applicatio. to the noted fix'd ſtars.	The ☽s place in zodiack at Noon			The ☽ riſing fro. the full to the change, & ſetting fr. the cha. to the F.	The mutu. A. of the Pla. with the ver. cooſt. of the cha. of wea.
	♄	☽ n. Spic. Vir.	libra 22	11	A. 2		
2	♂	Purificat. Mary	ſcorp. 4	12	4		
3	☿	☽ n. laux. Bor.	ſcorp. 6	0	M. 4		
4	♃	☽ n. ſin. Gen.	ſcorp. 29	1	8		
5	☉	☽ n. Cor. Scorp.	ſagit. 12	2	10		
6	☽	☽ n. dex hu. Op.	ſagit. 25	3	8		
7	☿	Sexageſima	capri. 8	4			
8	♀	Sol in Piſces	capr. 23	4	48		
9	♂	☽ n. ſin. Hu. ♒	aqua. 7	5	28		
10	☽	☽ n. Os Peg ſi	aqua. 22	6	4		
11	☽	☽ n. Marchab.	piſc. 7	New ●			
12	☿	Term ends	piſc. 22	7	A. 26		
13	♄	♒ ☽	aries 6	8	45		
14	☿	Quinquageſima	aries 21	10	4		
15	♀	♈ ♎ 26 R.	taur. 6	11	2		
16	☿	Shrove Tueſday	taur. 20	12	40		
17	☽	Aſh-Wedneſday	gem. 3	0	M. 40		
18	♂	♂ ☌ 17	gem. 16	1	45		
19	♀	♀ ♈ 23	gem. 29	2	40		
20	♀	♀ ☌ 21 R.	canc. 12	3	30		
21	☿	Quadrageſima	canc. 25	5	10		
22	☽	☽ n. Aſellos	leo 7	4	44		
23	☽	☽ n. Cor. leon	leo 20	5	10		
24	♂	St. Matthias	virgo 2	5	30		
25	☿	Ember Week	virg. 14	Full ●			
26	☽	☽ n. Cau. leonis	virg. 26	6	A. 4		
27	☽	☽ n. Vindemiat	libra 7	7	54		
28	☉	2 Sund. in Lent	libra 19	8	54		

☽ Moons Riſing. ☽ Moons ſetting. Diſtinc.

At the begin. ſome high froſt is expected, and ♈ ☉ ☌ ♄ ſtormy weather about the Fourth day; afterwards moderate for the ſeaſon. But about the New Moon we may expect windy, rough and right *Valentine* winterly weather with rain and ſnow, and ſo it continues ſtorm. afterwards more mild; yet froſty ♂ ☍ ♀ weather. ♂ ☌ ♀ But about the 25 ☿ ☍ ☉ ☿ runs windy and ſtorm weather, and ſo continues to the end.

February 1697.

Saturn rise, a li tle before th Sun.
Jupiter rise about 10 night, and is South about 3 mor.
Mars is hid under the Sun beam. *Venus* at the begin sets a li tle after 8. at the end between 9 & 10 night
Mercury at the begin. set after th Su, and may be seen at the end he goeth to Con bust on.

English Accompt.	Forein Accompt.	Roman Kalendar.	Roman Saints days.	*Feriæ statæ & concept.*		M.D.	☽ ri.	☽ se.
1	11	g	Solther	*what are the fruits there-*	1	7	14	4 46
2	12	a	Eustathius	*of, what the bonds and*	2		12	4
3	13	b	Agabus	*what the means.*	3		10	50
4	14	c	*Valentine*	*The fruits of Unity*	4		8	52
5	15	d	Faustin	*(next the well-pleasing of*	5		6	54
6	16	e	Juliana	*God which is all in all)*	6		4	56
7	17	f	Quinquag	*are two, the one towards*	7		2	58
8	18	g	Sabina	*those that are without the*	8	7	0	4
9	19	a	Roman	*Church, the other towards*	9	7	58	5
10	20	b	Mildred	*those that are within. For*	10	6	56	2
11	21	c	Sept. V. *M.*	*the former, it is certain*	11		54	4
12	22	d	Peters Ch.	*that Heresies and Schisms*	12		52	6
13	23	e	Policarp.	*are of all others the great-*	13		50	8
14	24	f	S. Matthias	*est Scandals yea more than*	14		4	10
15	25	g	John Paul	*corruption of Manners.*	15		46	12
16	26	a	Simeon	*For as in the natural Bo-*	16		44	14
17	27	b	Augustine	*dy a Wound or Solution of*	17		42	16
18	28	c	Oswald	*Continuity is worse than*	18		40	18
19	March		David	*a corrupt humour, so in*	19		38	20
20	2	e	Chad	*the Spiritual: so that no-*	20	6	36	22
21	3	f	Reminiscere	*thing doth so much keep*	21		34	5
22	4	g	Adrian	*Men out of the Church,*	22		32	26
23	5	a	Eusebius	*nay even drive them out*	23		29	28
24	6	b	Victor	*as breach of Unity. And*	24		27	31
25	7	c	Perpetua	*therefore when it comes*	25		25	33
26	8	d	Cyprian	*to that pass that one says*	26		23	37
27	9	e	Prudence	Ecce in deserto, *another*	27		21	39
28	10	f	Oculi	*says* Ecce in penetralibus,	28		18	42

☾ Laſt quarter the 5 day, at 11 at night.
● New Moon the 12 day, at 4 afternoon.
☽ Firſt quarter the 19 day, at 1 afternoon.
○ Full Moon the 27 day, at 3 afternoon.

1	♊	David	ſcorp.	9	A. 56		☐ ♄ ☿	Windy
2	♋	Chad	ſcorp.	13	11			and tempeſtuous
3	♌	☽ n. ſin. man Op	ſcorp.	25	12	2	☽'s Riſing.	at the beginning
4	♍	☽ n. An ares	ſagit.	7	0 M.	2		afteward a ſharp
5	♎	☽ n. Dex. h. Op.	ſagit.	20	1			froſt air for ſome
6	♏	☽ n. Luc. Lyræ.	capri.	3	11	56		✱ ☿ ☿ days
7	♐	☉ Sun. in Lent.	capr.	17	2	48	—	and ſeaſonable
8	♑	☽ n. luc. Vult.	aqua.	0	3	35		weather, & about
9	♒	Sol in Aries	aqua.	15	1	4		the 10 day ſome
10	♓	♄ ♒ 5	piſc.	0	4	32		driſling rain
11	♈	♅ ♒ 24 R	piſc.	15	5	10		expected follows
12	♉	♂ ♈ 4	aries	0	New ●			with briſk winds
13	♊	☿ ♉ 18	aries	15	7 A.	18		✱ ♄ ♂ yet in
14	♋	☉ Sun. in Lent.	taur.	0	9	10		general good &
15	♌	♀ ♓ 10 D.	taur.	15	10	32	Moons Setting.	✱ ☉ ♄ ſeaſon-
16	♍	☽ n. Pleiades	taur.	29	11	42		able weather until
17	♎	☽ n. Alhaiot	gem.	13	12	40		the 19th. or 20th
18	♏	☽ n. dex. hu. Au.	gem.	20	0 M.	0		days, then expect
19	♐	☽ n. Sirius	canc.	9	1	30		windy & ſtormy
20	♑	☽ n. Ciſto. & P.	canc.	22	2	12		♂ ☉ ♂ weather
21	♒	☿ Sun. in Lent	leo	4	2	42	—	with rain, and ſo
22	♓	☽ n. Aſellus	leo	17	3	10		continues windy
23	♈	☽ n. Cor. Leonis	leo	29	3	38		rough & turbu-
24	♉	☽ n. caud leonis	virg.	11	4			lent till after the
25	♊	Annunt. B. Mar.	virgo	22	4	22		Full Moon, then
26	♋	☽ n. Vindemiat	libra	4	4	46		tis hop'd we may
27	♌	☽ n. Spic. Virg.	libra	16	Full ○			have ſome more
28	♍	Palm Sunday	libra	28	8 A.			temperate weath.
29	♎	☽ n. laux. Auſt.	ſcorp.	10	9	4		with froſty air
30	♏	☾ n. lan. Borea	ſcorp.	22	10	8	☽ Hi.	and ſome hail
31	♐	☽ n. Antares	ſagit.	4	1	8		△ ♅ ☿ the end

March 1697.

Saturn rises about break of day.
Jupiter at the beginning is South about 2 in the morning, at the end he is South about midnight.
Mars is Combust.
Venus sets a little after 10 at night.
Mercury riseth before the Sun.

English Aries	Fore in Accom	Rom. Kalendar	Rom. Sts. Days						
1	11	g	Agapite	*that is, when some men*		6	16	5	44
2	12	a	Gregorius	*seek Christ in the Conven-*	2		14	5	46
3	13	b	Euphrasia	*ticles of Hereticks, and*	3		12		4
4	14	c	Theodore	*others in an outward face*	4		10		50
5	15	d	Longinus	*of a Church; that Voice*	5	6	8		5
6	16	e	Hillarius	*had need continually to*	6		6		54
7	17	f	Lætare	*sound in mens ears,* No-	7		4		56
8	18	g	Edward	lite exire, *go not out, the*	8		2		58
9	19	a	Joseph	*Doctor of the Gentiles, the*	9	6	0	6	0
10	20	b	Cuthbert	*propriety of whose Voca-*	10	5	58	6	2
11	21	c	Benedict	*tion, drew him to have a*	11		56		4
12	22	d	Paulinus	*special care of those with-*	12		54		6
13	23	e	Victoria	*out, saith, If an Heathen*	13		52		8
14	24	f	Judica	*come in & hear you speak*	14		50		10
15	25	g	Annun. B.M.	*with several tongues, will*	15		48		12
16	26	a	Castulus	*he not say that you are*	16		46		14
17	27	b	Merrian	*mad. And certainly it is*	17	5	45	6	16
18	28	c	Rupert	*little better, when Athe-*	18		42		18
19	29	d	Quirinus	*ists and prophane Persons*	19		40		2[illegible]
20	30	e	Guido	*hear of so many discord-*	20		38		22
21	31	f	Palm Sund.	*ant and contrary opinions*	21		36		24
	April		Theodore	*in Religion, it doth a-*	22		34		26
22	2	a	Mary Egypt	*vert 'em from the Church,*	23		32		28
23	3	b	Richard	*and maketh them to sit*	24		3[illegible]		30
24	4	c	Ambrose	*down in the Chair of*	2[illegible]		8		3[illegible]
25	5	d	Vincent	*Scorners. It is but a*	26		6		34
26	6	e	Sixtus	*light thing to be vouched*	27		4		36
27	7	f	Pascha	*in so serious a matter,*	28		2		38
28	8	g	Egesippus	*but yet it expresseth*	29		20		40
29	9	a	Albinus	*well the deformity.*	30		18		42
30	10	b	Leo, Pap.		3[illegible]	5	15		44

☾ Laſt quarter the 4 day, at 11 in the morning.
● New Moon the 11 day, at 1 in the morning.
☽ Firſt quarter the 18 day, at 3 in the morning.
○ Full Moon the 26 day, at 7 in the morning.

1	G	☽ n. Cap. Oph.	ſagit.	17	12	M.		☌ ☉ ♆	High
2	a	☽ n. ſin. man. ♐	ſagit.	29	0			winds at the be-	
3	b	☽ n. luc lyræ	capr.	12	0	46		☌ ♆ ☌	ginning
4	C	Eaſter day	capri.	26	1	28		which is follow'd	
5	d	☽ n. ſin. hu n. ♒	aqua.	10	2	7		with ſhowers of	
6	e	☽ n. Os Pegaſi	aqua.	24	2	40		driſling Rain;	
7	f	☽ n. Marchab.	piſce.	9	3	0		then ſeaſonable	
8	g	☽ n. Scheat. P.	piſc.	24	3	38		good weather in	
9	a	Sol in Taurus	aries	9	4	4		✶ ♆ ☿ expected	
10	b	☽ n. firſt ✶ Ar.	aries	24	4	30		with ſome ſhow.	
11	C	Low Sunday	taur.	9	New	●		Sun Eclipſ. in	
12	d	☽ n. Pleiades	taur.	24	9	A. 24		about the 10 or	
13	e	☽ n. Aib. baran	gem.	8	10	28		11 days and right	
14	f	☽ n. Dex. hu. Au.	gem.	22	11	28		April weather;	
15	g	☽ n. Sirius	canc.	5	12	22		△ ♅ ♀ . But a-	
16	a	☽ n. Caſt & P.	canc.	18	☽	M 22		□ ☉ ♄ bout the	
17	b	♄ ♒ 7	leo.	1	1	2		☌ ♆ ☿ 7 or 8	
18	C	☿ Sun. paſt Eaſt	leo	13	1	34		days high winds,	
19	d	♅ ♎ 20 ℞.	leo	26	2			with rain is ex-	
20	e	☌ ♉ 4.	virg.	7	2	24		pected, as alſo	
21	f	Term begins	virgo	19	2	44		ſome ſtorms of	
22	g	♀ ♊ 26	libr.	1	3	4		hail; afterwards	
23	a	St. George	libr.	13	3	24		more temperate	
24	b	☿ ♉ 4	libra	25	3	44		for ſome days:	
25	C	St Mark	ſcor.	7	4	4		But about the 26	
26	d	☽ n. lu Col. Ser.	ſcorp.	19	Full	○		Moon Eclipſed	
27	e	☽ n. Cor ſcorp	ſagit.	1	9	A.		□ ♄ ☿ ☌ or 27	
28	f	☽ n. Cap. Oph.	ſagit.	14	9	55		☌ ☌ ☿ days	
29	g	☽ n. ſ. ma ſag.	ſagit.	26	10	4		plenty of ſhowers	
30	a	☽ n. luc. lyræ	capr.	9	11	30		are expected.	

Moons Riſing 1 Moons Setting ☽ inf.

Saturn rises between 2 and 3 morning.
Jupiter at the beginning is South at midnight, at the end he is South about 10 at night.
Mars is hid under the Sun beams.
Venus sets after 11 at night.
Mercury rises before the Sun.

Eccles. Accom.	Forein. Accom.	Rom. Kalendar	Rom. St. days								
		c	Appolin	*There is a Master of*	1	5	14	0	46
3	12	D	July Bish.	*Scoffing that in his Ca-*	2		1[illegible]		48
3	13	e	Justinus	*talogue of Books of a*	3		1[illegible]		50
4	14	f	Quasimod.	*feigned Library sets down*	4		8		52
5	15	g	Perpetuus	*this Title of a Book, the*	5		6		54
6	16	a	Isidorus	Morris dance of Hereticks	6		4		56
7	17	b	Anicetus	*For indeed every Sect of*	7		2	6	58
8	18	c	Eluther	*them hath a different*	8	5	0	7	0
9	19	D	Timothy	*Posture or Cringe by*	9	4	58	7	2
10	20	e	Victor.	*themselves, which can-*	10		56		4
11	21	f	Misericord.	*not but move derision in*	11		54		6
12	22	g	Quintin	*Worldlings and depraved*	12		52		8
13	23	a	S George	*Politicks, who are apt to*	13		50		10
14	24	b	Wilfride	*contemn Holy things, as*	14		48		12
15	25	c	S. Mark	*for the Fruit towards*	15	4	46	7	14
16	26	D	Cletus	*those that are within,*	16		44		16
17	27	e	Anastasius	*it is Peace which con-*	17		42		18
18	28	f	Jubilate	*tains infinite Blessings;*	18		41		19
19	29	g	Pet. de Mill.	*it establisheth Faith;*	19		39		21
20	30	a	Josua	*it kindleth Charity; the*	20		37		23
21	May	b	S. Phil. & Ja.	*outward Peace of the*	21		36		24
22	2	c	Athanasius	*Church distilleth into*	22		34		26
23	3	D	Inv. Crucis	*Peace of Conscience, and*	23		33		27
24	4	e	Florian	*it turneth the Labours*	24		31		29
25	5	f	Cantate	*of writing and reading*	25	4	30	7	30
26	6	g	Jo. Port. La.	*Controversies, into Treat-*	26		28		32
27	7	a	Juvenal	*ises of Mortification and*	27		26		34
28	8	b	Stanislaus	*Devotion.*	28		25		35
29	9	c	Ephiach.		29		23		37
30	10	D	Pancratius		30	4	21	7	9

May hath xxxi. days.

☾ Last Quarter the 3 day, at 8 night.
● New Moon the 10 day at 9 in the morn.
☽ First quarter the 17 day at 6 afternoon.
○ Full Moon the 25 day, at 8 at night.

1	b	S. Phil. & Ja.	capr.	24	12	8		Fair and hot
2	☾	4 Sun. past East.	aqua.	6	0 M.	8	☾ Rising.	but about the 3
3	d	☽ n. Sin. hu. ♒	aqua.	19	0	38		or 4th, showers
4	e	☽ n. dex bra ♒	pisc.	4	1	6		of rain are ex-
5	f	☽ n. march Peg	pisc.	18	1	34		☌ ☉ ☿ pected,
6	g	☽ n. Algenib.	aries	2	2	3		then followeth
7	a	☽ n. au. si Aud.	aries	17	2	33		fair and pleasant
8	b	☽ n. pr. ✱ Ariet	taur.	2	3	2		weather.
9	☾	5 Sun. past East.	taur.	17	3	3		But about the
10	d	Sol in Gemini	gem.	2	New ●			△ ♄ ☿ 9 or 10
11	e	☽ n. Alhaiot	gem.	16	9 A	2		days wind and
12	f	☽ n. Aldebaran.	canc.	0	10	16	Moons Setting.	rain is expected,
13	g	Ascensio Dom.	canc.	14	11			afterwards an in-
14	a	☽ n. Assellos	canc.	17	11	32		crease of heat &
15	b	☽ n. cap. Leonis.	leo	10	12	2		✱ ♄ ☿
16	☾	6 Sun. past East.	leo	2	0 M.	2		probably some
17	d	Term ends	virgo	4	0	26		Thunder about
18	e	♄ ♒ 7 R.	virgo	16	0	46		△ ☉ ♄ this
19	f	♃ ♎ 17 R.	virgo	28	1	6		time and other
20	g	♂ ♉ 26	libr.	9	1	26		whiles some brisk
21	a	♀ ♋ 9 R.	libr.	2	1	50		gales of wind &
22	b	☿ ♋	scorp.	3	2	12		seasonable wea-
23	☾	Whitsunday	scorp.	15	2	36		ther, but about
24	d	☽ n. sin. Te. Op.	scorp.	28	3			the 24 or 25 days
25	e	☽ n. Cor. Scorp.	sagit.	10	Full ●			plenty of shower
26	f	☽ n. dex. hu. Op.	sagit.	2	8 A.	40		Ember Week
27	g	☽ n. luc lyræ	capr.	6	9	30		☌ ♀ ☿ are ex-
28	a	☽ n. luc. Vult.	capr.	19	10	12	Moon Rising.	△ ☉ ♃ pected,
29	b	K. Cha. II. N. R.	quar.	3	10	46		also some mists
30	☾	Trinity Sunday	aquar.	16	11	15		or drisling rain
31	d	☽ n. Fomahan	pisces	0	11	40		at the end.

Saturn *rises about Midnight.*
Jupiter *sets betwixt* 2 *and* 3 *in the Morning.*
Mars *is yet hidden by the Sun beams.*
Venus *sets between* 10 *and* 11 *at Night.*
Mercury *at the beginning is Combust, at the end he sets after the Sun, and may be seen.*

English Account.	Forein Account.	Rom. Kalendar.	Rom. Saints days.								
1	11	e	Christian	Concerning the Bonds of	1	4	19	7	41
2	12	f	Rogat. San.	Unity, the true placing of	2		17		43
3	13	g	Servatius	them, importeth exceed-	3		16		44
4	14	a	Roniface	ingly; there appears to	4		14		46
5	15	b	Sophia	be two Extreams. For	5		12		48
6	16	c	Aſc. Dom.	to cerain Zealots, all	6		10		50
7	17	d	Jodocus	ſpeech of Pacification is	7		9		51
8	18	e	Venant	Odious. Is it Peace,	8		8		52
9	19	f	Exaudi	*Jehu*? What haſt thou	9		6		54
10	20	g	Potentia	to do with Peace? Turn	10	4	5	7	55
11	21	a	Helena.	thee behind me. Peace	11		3		57
12	22	b	Adelmus	is not the Matter; but	12		2		58
13	23	c	Deſiderius	following a Party. Con-	13		1		59
14	24	d	Eſther	trariwiſe, certain Laodi-	14	4	0	8	0
15	25	e	Urbanus	ceans, and luke warm	15	3	59	8	1
16	26	f	Pentecoſt	Perſons, think they may	16	3	58		2
17	27	g	Beda V.	accommodate Points of	17		57		3
18	28	a	Wilhelm.	Religion, by middle ways,	18		56		4
19	29	b	Maximin.	and taking part of both	19		54		6
20	30	c	Fœlix	and Witty Reconcilements,	20		53		7
21	31	d	Petronel	as if they would make an	21		52		8
22	June	e	Nicomed	Arbitrement, between God	22		51		9
23	2	f	Trinity	and Man. But theſe Ex-	23	3	50	8	10
24	3	g	Manell	treams, are to be avoided;	24		49		11
25	4	a	Petrochius	which will be done, if	25		48		12
26	5	b	Roniface	the League of Chri-	26		47		13
27	6	c	Cor. Chri.	ſtians, penned by our Savi-	27		46		14
28	7	d	Paul Ep.	our himſelf, were in the	28		45		15
29	8	e	Medard	two croſs clauſes thereof,	29		45		15
30	9	f	1 S. p. T.	ſoundly and plainly ex-	30	3	43	8	16
31	10	g	Getulius		31		42		16

June hath XXX Days

☾ Last Quarter the 2d day, at 1 in the morning.
● New Moon the 8th day, at 7 in the afternoon.
☽ First Quarter the 16th day, at 11 in the morning.
○ Full Moon the 24th day, at 7 in the morning.

1	e	☽ n. Manhab	pisces	14	12	2	☽'s rising.		Some drisling Rain
2	f	☽ n. Scheat	pisces	28	0 M.	2			at the □ ♃ ☿ begin-
3	g	☽ n. Cap. An.	aries	12	0	28			ning, with blatt
4	a	Term begins	aries	27	0	56			Winds; △ ♄ ♀ after-
5	b	☽ n. Au. Pe. An.	taur.	11	1	26			wards, an increase of
6	☾	1. Sun. p. Trin	taur.	26	2	00			Heat, also Wind and
7	d	☽ n. Aldebaran.	gem.	10	2	36			Rain-like about the
8	e	☽ n. dex. hu. Aur.	gem.	25	New	● 1			New Moon; then
9	f	☽ n. Sirius	canc.	8	8 A	45			fair and hot Weather
10	g	☉ in Cancer	canc.	22	9	26			is expected ☌ ☉ ☿ for
11	a	St. Barnabas	leo	5	10	00			several days, with mi-
12	b	☽ n. cor leonis	leo	18	10	22			sty mornings, and
13	☾	2. Sun. p. Trin	virgo	0	10	42			probably some Thun-
14	d	♄. 6. ♒ R.	virgo	12	11	2			der, about this time
15	e	♃. ♎. 17. D.	virgo	24	11	24			which is followed
16	f	♂. ♊. 15.	libra	6	11	45			with some brisk cool-
17	g	☿. ♊. 28. R.	libra	18	12	6			ing Gales of Winds
18	a	♀. ♋ 26. R.	scorp.	0	0 M.	6			and about △ ♃ ☌
19	b	☽ n. lanx Austr.	scorp.	12	0	35			the 20th day, Rain-
20	☾	3 Sun. p. Trin	scorp.	24	1	05			like, also about the
21	d	☽ n. cor scorpion	sagit.	6	1	40			Full Moon, both Wind
22	e	☽ n. Dext. Is. Oph	sagit.	19	2	28			and Rain is expected
23	f	Term ends	capric.	2	3	00			tho fair for some
24	g	St. John Baptist	capric.	15	Full	○ 7			dayes; but about the
25	a	☽ n. Luc. Vultu.	capric.	29	8 A	44	☽'s rising.		27th mists or drisling
26	b	☽ n. sin. Iscus. ♒	aqua.	13	9	12			Rain, ☌ ☌ ☿ with
27	☾	4 Sun. p. Trin	aqua.	27	9	40			Wind □ ☉ ♃ at the
28	d	☽ n. More. Peg.	pisces	11	10	04			end.
29	e	St. Peter	pisces	25	10	28			
30	f	☽ n. Cap. Andro.	aries	9	10	52			

Moons setting.

Saturn *rises between* 9 *and* 10 *at Night.*
Jupiter *sets between* 12 *and* 1 *of the Clock.*
Mars *rises a little before the Sun.*
Venus *at the beginning goeth to Combustion; at the end she riseth with* Mars, *before the Sun.*
Mercury *sets after the Sun.*

English Account.	Forein Account.	Roman Kalendar.	Ro. Saint day								
1	11	a	St. Barna	pounded: He that is not with	1	3	44	8	16
2	12	b	Anthony	us, is against us; and again, he	2		43		17
3	13	c	Cyrillus	that is not against us, is with	3		43		17
4	14	d	Basilius	us; that is, if the Points Fun-	4		42		18
5	15	e	Vitus, &c.	damental, and of substance in	5		42		18
6	16	f	2 past Trin.	Religion, were truly discerned,	6		42		18
7	17	g	Botolph	and distinguished from Points	7		42		18
8	18	a	Marcus	not meerly of Faith, but of	8		41		19
9	19	b	Gervase	Opinion, Order, or good	9		41		19
10	20	c	Edward R.	Intention. This is a thing	10		41		19
11	21	d	Walburg	to many, may seem a mat-	11	3	41	8	19
12	22	e	Alban	ter Trivial, and done al-	12		41		19
13	23	f	3 past Trin.	ready; but if it were done	13		41		19
14	24		St. Jo. Bap.	less partially, it would be	14		41		19
15	25	a	Elogius	imbraced more generally.	15		42		18
16	26	b	Jo. & Paul	Of this may be given on-	16		42		18
17	27	c	Crescens	ly this advice, according	17		42		18
18	28	d	Leo P.	to this small Model. Men	18		42		18
19	29	e	St. Peter	ought to take heed of	19		43		17
20	30	f	4 past Trin.	rending God's Church;	20	3	43	8	17
21	July		Tr. Sirith	by two kinds of Contro-	21		44		16
22	2	a	Visit. V.M.	versies. The one is when	22		44		16
23	3	b	Kenelm	the matter of the point	23		44		16
24	4	c	Huldrich	controverted, is too small	24		45		15
25	5	d	Zoa. Virg.	and light, not worth the	25	3	45		15
26	6	e	Hector	heat and strife about it,	26		46		14
27	7	f	5 past Trin.	kindled only by Contra-	27		47		13
28	8	g	Grimbald	dictions. For, as it is no-	28		48		12
29	9	a	Cyril Ep.	ted, by one of the Fathers,	29		49		11
30	10	b	Sept. Frat.	Christ's Coat indeed, had	30	3	50		10

July hath xxxi days,

☾ Last Quarter the 1st day, at 6 in the morning.
● New Moon the 8th day, at 5 in the morning.
☽ First Quarter the 16th day, at 6 in the morning.
○ Full Moon the 23d day, at 5 in the afternoon.
☾ Last Quarter the 30 day, at a 11 in the morning.

1	g	☽ n. prim ✱ Ar	aries.	23	11	18	Moons rising	Hot Gleams, with
2	a	☽ n. aust. pe. An	taur.	7	11	48		☌ ☉ ☿ some Sho-
3	b	☽ n. Pleiades	taur.	21	12	26		wers at the begin-
4	☾	5 Sun. p. Tris	gem.	5	0 M	26		ning afterwards, Win-
5	d	☽ n. Alhaiot	gem.	19	1	14		dy and Fair. □ ♃ ☿
6	e	☽ n. Sirius	canc.	3	2	10		for some days, and a-
7	f	☽ n. Cast & Pol	canc.	16	3	16		bout the New Moon,
8	g	☽ n. Asellus	leo	0	New	●		some drisling Rain is
9	a	☽ n. Au. Cap. Le.	leo	13	8 A	18		expected, afterwards
10	b	☽ n. Cor. Leo	leo	26	8	40	Moons setting.	an increase of Heat;
11	☾	6 Sun. p. Trin	virg.	7	9	2		and may probably
12	d	Sol in Leo	virg.	20	9	23		continue, till the midst
13	e	☽ n. Vinde.	libra	2	9	45		of the Month; then
14	f	☽ n. Spica vir	libra	14	10	6		we may expect Wind
15	g	St. Swithin	libra	25	10	27		and Rain, ☍ ☉ ♄
16	a	☽ n. lanx. Boreal	scorp.	7	10	50		and Showery Wea-
17	b	☽ n. dex. hu. Oph	scorp.	19	11	18		ther, to continue for
18	☾	7 Sun. p. Trin	sagit.	1	12	2		some days; which
19	d	♄. ♒. 4	sagit.	14	0 M	2		being past, 'tis hoped,
20	e	♃. ♎. 20.	sagit.	27	0	54		we may have sea-
21	f	♂. ♋. 8.	capr.	10	1	56		sonable Weather, with
22	g	♀. ♊ 28. D.	capr.	24	3	6		some □ ♃ ☿ drisling
23	a	♀. ♋. 21. D.	aqua.	8	Full	○		Rain, about the Full
24	b	☽ n. Os. Pegasi	aqua.	22	7 A	42	Moons rising.	Moon, else fair and
25	☾	St. James	pisces	7	8	12		hot, for the most part,
26	d	☽ n. Marchab P	pisces	21	8	42		to the end of the
27	e	☽ n. Ca. Ceti. R.	aries	5	9	12		Month.
28	f	☽ n. pr. ✱ Ari	aries	20	9	40		
29	g	☽ n. aust. pe. And	taur.	4	10	10		
30	a	☽ n. Pleiades	taur.	18	10	40		
31	b	☽ n. Aldebaran	gem.	2	11	14		

Saturn *is South about Midnight.*
Jupiter *sets between* 10 *and* 11 *at Night.*
Mars *and* Venus *rise before the Sun.*
Mercury *at the beginning is Combust, at the end he emergeth from the Sun Beams, and riseth before him.*

English Account.	Forein Account.	Roman Kalendar.	Rom. Saints days.								
1	11	c	Benedict	no Seam; but the Church's	1	3	51	8	9
2	12	d	Henricus	Vesture was of divers	2		52		8
3	13	e	Margaret	colours; whereupon he	3		53		7
4	14	f	6 past Trin.	saith, *In veste varietas sit,*	4		54		6
5	15	g	Swithin	*Scissura non sit*; they be	5		55		5
6	16	a	Kenelm	two things, Unity and	6		56		4
7	17	b	Alexius	Uniformity. The other is,	7		58		2
8	18	c	Arnolph	when the matter of the	8	3	59	8	1
9	19	d	Ruffinus	thing Controverted, is great,	9	4	0	8	0
10	20	e	Elias	but is driven to an over	10	4	1	7	55
11	21	f	7 past Trin.	great Subtilty, and Ob	11		3	7	57
12	22	g	Mary Mag.	scurity; so that it be	12		5		55
13	23	a	Apollin.	cometh a thing rather	13		6		54
14	24	b	Christiana	Ingenious, than Substan-	14		7		53
15	25	c	St. James	tial. A Man, that is of	15		9		51
16	26	d	Anna	Judgment and Understan-	16		10		50
17	27	e	Martha	ding, shall sometimes hear	17		11		49
18	28	f	8 past Trin.	Ignorant Men differ, and	18		13		4
19	29	g	Felix	know well within himself,	19		14		46
20	30	a	Abdon	that those that so differ,	20	4	16	7	44
21	31	b	German	mean one thing, and yet	21		17		43
22	Aug.	c	Lammas	they themselves would ne-	22		19		41
23	2	d	Stephen	ver agree. And if it come	23		20		40
24	3	e	Dominic.	so to pass, in that distance	24		22		38
25	4	f	9 p. Trin.	of Judgment, that is be-	25		24		36
26	5	g	Fest. Nat.	tween Man and Man, shall	26		25		35
27	6	a	Sixtus	we not think, that God	27		27		33
28	7	b	Afra	above, that knows the	28		29		31
29	8	c	Ladislaus	Heart, doth not discern,	29		31		29
30	9	d	Julian	that frail Men, in some of	30	4	33	7	27
31	10	e	Lawrence		31		35		25

Auguſt hath xxxi. days.

● New Moon the 6th day, at 6 in the afternoon.
☽ Firſt Quarter the 14th day, at 9 at night.
● Full Moon the 22d day, at 2 in the morning.
☽ Laſt Quarter the 28th day, at 6 at night.

1	♌	☽ Sun. p. Trin.	gem.	15	12	0	☽'s Moons rising.	Lammasday, ☌ ☽ ☊
2	b	☽ n.dex.hu.Au.	gem.	29	0 M	2		ſome ſhowers of Rain
3		☽ n. Sirius	canc.	12	1	4		✱ ☉ ♃ at the be-
4		☽n.Caſtor & P.	canc.	25	2	12		ginning and ſo conti
5	g	☽ n. Aſſeſſus	leo	8	3	25		nues ſhowery, till af-
6	a	☽ n.cor.Leonis	leo	21	New ●			ter the New Moon,
7	b	☽n.luc.in T.Le.	virgo	3	7 A	12		then fair and hot, for
8	♌	10 Sun. p. Trin.	virgo	16	7	34		ſome days; but about
9	d	☽ n. vindemia	virgo	28	7	55		the 14th day, ✱ ♃ ☿
10		St. Lawrence	libra	10	8	16		ſome Wind and Rain
11	e	☽ n. Spica. vir.	libra	22	8	38		□ ♅ ☌ is expected;
12		Sol in Virgo	ſcorp.	3	9	00		afterwards ſeaſona
13	g	☽ n. Lanx Ro.	ſcorp.	15	9	26		ble and good Wea
14	a	☽ n. S. Man. O.	ſcorp.	27	10	00		ther; and 'tis hoped,
15	♌	11 Sun. p.Trin.	ſagit.	9	10	42		☌ ☉ ☿ may contin-
16	b	☽n.DexH.Oph.	ſagit.	22	11	32		nue, till towards the
17	c	☽ n. caud. vult.	capr.	5	12	36		Full Moon; then ſome
18	f	☽ n. luc. Vult.	capr.	18	0 M	36		driſſling Rain is expe-
19	g	♄. ♒. 2.	aqua.	2	1	50		cted; with miſty fog-
20	a	♃. ♎. 25.	aqua.	16	3	8		gy mornings, and
21	b	♂. ♓. 28.	piſces	1	4	28		□ ♃ ☿ towards the
22	♌	12 Sun. p. Trin	piſces	16	Full ●			end of the ☌ ♄ ☌
23	d	☿. ♓. 24.	aries	0	6 A	52	☽ Moons riſing.	Month, high Winds,
24	e	St. Bartholo.	aries	15	7	26		with Rain, and great
25	f	☿. ♍. 19.	taur.	00	8	4		☌ ♄ ☿ variety of
26	g	☽ n. au. pe. au.	taur.	14	8	42		Weather is expected.
27	a	☽ n. Pleiades	taur.	28	9	22		
28	b	☽ n. Aldeba.	gem.	12	10	06		
29	♌	13 Sun.p. Trin.	gem.	26	11	04		
30	d	☽ n. Syrius	canc.	9	12	15		
31	e	Proryon	canc.	29	0 M	15		

Saturn *at the beginning is South at* 11, *at the end he is South at* 9 *at Night,*
Jupiter *sets between* 8 *and* 9.
Mars *and* Venus *rise before the Sun.*
Mercury *at the beginning, riseth before the Sun, but afterwards is hid by the Sun Beams.*

English Account.	Forein Account.	Roman Kalendar.	Rom. Saints days.									
1	11	f	10 p. Trin.	their Contradictions, intend	1	4	32	7	23			
2	12	g	Clara V.	the same thing, and ac-	2		39		21			
3	13	a	Hippolitus	cepteth of both. The na-	3		41		19			
4	14	b	Eusebius	ture of such Controversies,	4		42		18			
5	15	c	Assum. V. M.	are excellently expressed by	5		44		16			
6	16	d	Rochus	St. *Paul*, in the Warning	6		46		14			
7	17	e	Mammes	and Precept that he giveth	7		48		12			
8	18	f	11 p. Trin.	concerning the same, *De-*	8		50		10			
9	19	g	Clintan R.	*vita profanas vocum novi-*	9		52		8			
10	20	a	Bernard	*tates, & oppositiones falsi-*	10	4	54	7	6			
11	21	b	Privatus	*nominis scientiæ.* Men cre-	11		56		4			
12	22	c	Timothy	ate Oppositions, which are	12		58		2			
13	23	d	Donatus	not, and put them into new	13	5	0	7	0			
14	24	e	St. Bartho.	Terms, so fixed; and where-	14	5	1	6	59			
15	25	f	12. p. Trin.	as, the meaning ought to	15		3	6	57			
16	26	g	Ludovicus	govern the Term, the	16		5		55			
17	27	a	Severinus	Term in effect, doth govern	17		7		53			
18	28	b	Ruffus	the meaning. There be	18		8		52			
19	29	c	Decol. J. B.	also, two false Peaces, or	19		10		50			
20	30	d	Fœlix	Unities; the one is, when	20	5	12	6	48			
21	31	e	Paulinus	the Peace is grounded upon	21		14		46			
22	Sept.	f	13 p. Trin.	an Implicite Ignorance; for	22		16		44			
23	2	g	Anthony	all Colours will agree in	23		18		42			
24	3	a	Mamert	the dark; the other, when	24		20		40			
25	4	b	Theodosia	it is pieced up, upon a di-	25	5	22	6	38			
26	5	c	Bertinus	rect Admission of Contra-	26		24		36			
27	6	d	Eugenius	ries in Fundamental Points	27		26		34			
28	7	e	Regina	for Truth, and Falshood,	28		28		31			
29	8	f	14 p. Trin.	in such things, are like the	29		31		29			
30	9	g	Hugon	Iron and Clay, in the Toes	30	5	33		27			
31	10	a	Fosthenes		31		35		25			

September hath xxx Days.

☽ New Moon the 5th day, 30 min, past 9 in the morning.
☽ First Quarter the 13th day, at 1 in the afternoon.
● Full Moon the 20th day, at 10 in the morning.
☽ Last Quarter the 27th day, at 3 in the morning.

1	f	☽ n. Asselus	leo	5	1 M	25	☽'s rising 1 Moons setting
2	g	☽ n. Cor Leonis	leo	18	2	34	
3	a	☽ n. L. in Te. ☊	virgo	0	3	42	
4	b	☽ n. cauda Leo.	virgo	12	4	48	
5	c	☌ Sun. p. Trin	virgo	24	New	●	
6	d	☾ n. vin. demi.	libr.	6	6 A	36	
7	e	☽ n. Spi. virg.	libra	18	6	54	
8	f	☽ n. luc. Coronæ	scorp.	0	7	12	
9	g	☽ n. Lanx Bore.	scorp.	12	7	32	
10	a	☽ n. fin. man. O.	scorp.	24	8	00	
11	b	☽ n. cor. Scor.	sagit.	6	8	36	
12	c	☍ Sun. p. Trin	sagit.	18	9	30	
13	d	Sol in Libra.	capric.	0	10	32	
14	e	♄ ♒ 1.	capr.	13	11	40	
15	f	Ember Week	capr.	26	12	50	
16	g	♄ ♏ 0. 0.	aqua.	10	0 M	50	
17	a	♂ ☊ 15.	aqua.	24	2	10	
18	b	☿ ☊ 21.	pisces	9	3	30	
19	c	☌ Sun. p. Trin.	pisces	24	4	50	
20	d	☿ ♏ 0. 0.	aries	9	Full	●	
21	e	St. Matthew	aries	24	6 A	14	
22	f	☽ n. au. pe. an.	taur.	9	6	48	
23	g	☽ n. Pleiades	taur.	24	7	32	
24	a	☽ n. Aldeba.	gem.	8	8	16	
25	b	☽ n. dex. H. A.	gem.	22	9	10	
26	c	☍ Sun. p. Trin.	canc.	6	10	12	
27	d	☽ n. Procyon	canc.	19	11	20	
28	e	☽ n. Asellus	leo	2	12	30	
29	f	St. Michael	leo	15	0 M	30	
30	g	☽ n. Cor. Leo.	leo	27	1	40	

△ ♄ ☿ Windy Weather, at the beginning, with some ✱ ☿ ☿ drisling Rain, ✱ ♂ ☿ about the ☌ ♂ ☿ New Moon, then fair for some days; but about the 10th, some storms are expected, after which, 'tis hoped, we may have some good △ ☉ ♄ seasonable Weather, for several days; but about the 17th or 18th days, some Wind and Rain is expected, and so □ ♄ ♃ continues △ ♄ ☿ showery ☌ ♃ ☿ till after the Full Moon; then fair for some days, with misty and foggy mornings; and also towards the end, some showers of Rain, ✱ ♃ ☿ with brisk gales of Wind.

1 Moons rising.

Saturn *is south about* 8 *at Night, and sets about Midnight.*
Jupiter *sets a little after the Sun.*
Mars *and* Venus *rise near together, betwixt* 1 *and* 2 *in the Morning.*
Mercury *sets after the Sun.*

English Account	Forein Account.	Roman Kalendar	Rom. Saints days.									
1	11	b	Maurice	of *Nebuchadnezzar*'s Image;	1	5	38	6	22			
2	12	c	Maximin.	they may cleave together,	2		40		20			
3	13	d	Amatus	but they will not incorpo-	3		42		18			
4	14	e	Exal. Cruc.	rate. Concerning the means	4		44		16			
5	15	f	15 p. Trin.	of procuring Unity; Men	5		46		14			
6	16	g	Edith	must beware, that in the	6		48		12			
7	17	a	Lambert	promoting of Religious U	7	5	50	6	10			
8	18	b	Vict. & Cor	nity, they do not dissolve	8		52		8			
9	19	c	Januar.	and deface the Laws of Cha-	9		54		6			
10	20	d	Eustace	rity, and of Humane Soci-	10		56		4			
11	21	e	S. Matthew	ety. There be two Swords	11	5	58		2			
12	22	f	16 p. Trin.	amongst Christians, the	12	6	06	6	0			
13	23	g	Tecla vir.	Spiritual and Temporal, and	13		25	5	58			
14	24	a	Rupert	both have their due	14		45	5	56			
15	25	b	Cleophas	Office, and place in the	15		6		54			
16	26	c	Cyprian	Maintenance of Religi	16		8		52			
17	27	d	Judith	on. But we may not take	17		10		50			
18	28	e	Wencesla.	up the third Sword, which	18		12		48			
19	29	f	St. Mich.	is the Sword of *Mahomet*,	19		14		46			
20	30	g	Hierom.	or like unto it; that is,	20	6	16	5	44			
21	0	a	Remigius	to propogate Religion by	21		18		42			
22	2	b	Leodegar	Wars, or by Sanguinary	22		20		40			
23	3	c	Candidus	Persecutions, to force Con-	23		22		38			
24	4	d	Franciscus	sciences, except it be in Ca	24		24		36			
25	5	e	Apollin.	ses of Overt-Scandal, Blas-	25	6	26	5	34			
26	6	f	18 p. Trin.	phemy, or intermixture of	26		28		32			
27	7	g	Marcus&c.	Practice against the State;	27		30		30			
28	8	a	Pelagia	much less to nourish Sedi-	28		32		28			
29	9	b	Dionysius	tions, to Authorise Conspi-	29		34		26			
30	10	c	Gideon	racies and Rebellions, to p	30		35		25			

the

● New Moon the 5th day, at 3 in the morning.
☾ First Quarter the 13th day, at 3 in the morning.
○ Full moon the 19th day, half an hour after 7 at Night.
☾ Last Quarter the 28th day, at 5 at night.

1	a	☽ n. L. in T. Leo.	virg	9	2 M	45		Mists and drizling
2	b	☽ n. Cauda Le.	virg.	22	3	48		Rain, at the begin-
3	c	18 Sun. p. Tr	libra	3	4	50		ning of the Month
4	d	☽ n. Spica Vir	libra	15	5	50		and about the New
5	e	☽ n. Luc. Coro.	libra	27	New ●		1 Moons Setting.	*Sun Eclipsed invis.*
6	f	☽ n. Lanx. Au.	scorp.	9	5 A	44		Moon, showers of
7	g	☽ n. Luc. C. Ser.	scorp.	21	6	8		Rain, with brisk
8	a	☽ n. cor. Scor.	sagit.	3	6	49		Winds, are expect-
9	b	☽ n. dex. G. Oph.	sagit.	15	7	32		ed; afterwards fair
10	c	19 Sun. p. Trin	sagit.	27	8	32		for some days, with
11	d	☽ n. cauda vult.	capr.	9	9	36		Frosty Mornings;
12	e	Sol in Scorp.	capr.	22	10	44		✶ ☉ ♂ about this
13	f	♄ ♒ 1 D.	aqua.	5	11	54		✶ ☿ ♀ time, but
14	g	♃ ♍ 6.	aqua.	19	1	10		□ ☉ ♄ about the
15	a	♂ ♍ 1.	pisces	3	1 M	10		14th or 15th days,
16	b	☿ ♍ 24.	pisces	17	2	20		some Wind and Rain,
17	c	20 Sun. p. Trin.	aries	2	3	44		and also about the
18	d	St. Luke	aries	17	5	5		Full Moon, Windy,
19	e	☿ ♏ 19. R.	taur.	2	Full ○		1 Moons Rising.	*Moon Eclipsed*, and
20	f	☽ n. Pleiades	taur.	17	5	16		♂ ☉ ♃ Rain-like,
21	g	☽ n. Aldebaran	gem.	2	6	00		then fair for some
22	a	☽ n. Alhaiot	gem.	17	7	00		time, but towards the
23	b	Term begins	canc.	1	8	6		△ ♄ ☿ end of the
24	c	21 Sun. p. Trin.	canc.	15	9	12		Month, cold Winds,
25	d	Crispin	canc.	29	10	24		♂ ☉ ☿ with varia
26	e	☽ n. Asellus	leo	11	11	36		ble and unconstant
27	f	☽ n. cor leonis	leo	24	12	44		♂ ♃ ☿ Weather
28	g	St. Sim. and J.	virgo	6	0 M	44		✶ ♂ ☿ is expected;
29	a	☽ n. Cau. Leo.	virgo	18	1	50		✶ ♃ ♁ yet it ends
30	b	☽ n. Vindemia.	libra	0	2	52		with frosty sharp Air
31	c	22 Sun. p. Trin	libra	12	3	54		

Saturn *at the beginning sets about* 11 *at Night. At the end he sets about* 9.
Mars *riseth about* 1 *in the Morning, and* Venus *about* 3 *in the Morning.*
Jupiter *and* Mercury *go to Combustion.*

English Account.	Forein Account.	Roman Kalendar	Rom Saints days								
1	17	D	Burchard	the Sword into the Peoples	1	6	37	5	28
2	12	e	Walfride	Hands, and the like, tend-	2		38		32
3	13	f	19 p. Trin.	ing to the Subversion of the	3		40		20
4	14	g	Calixtus	Government, which is the	4		42		18
5	15	a	Hedwig	Ordinance of God. For	5		44		16
6	16	b	Gallus	this is but to dash the first	6		46		14
7	17	c	Woolstan	Table against the second,	7		48		12
8	18	D	St. Luke	and so to consider Men as	8	6	50	5	10
9	19	e	Ptolomy	Christians, as we forget	9		52		8
0	20	f	20 p. Trin.	that they are Men. *Lucre-*	10		54		6
11	21	g	40Virg M.	*tius* the Poet, when he be-	11		56		4
12	22	a	Cordula	held the Act of *Agamemnon*,	12	6	58		2
13	23	b	Roman	that could endure the Sacri-	13	7	0	5	0
14	24	c	Salome	ficing of his own Daughter,	14	7	2	4	58
15	25	D	Crispin	exclaimed, *Tantum Reli-*	15		4		56
16	26	e	Amandus	*gio potuit suadere malorum.*	16		6		54
17	27	f	21 p. Trin.	What would he have said	17		8		52
18	28	g	S.Sim.& Ju	if he had known of the Mas-	18		10		50
19	29	a	Narcissus	sacre in *France*, The Gun-	19		12		48
20	30	b	German	powder Treason of *England*,	20	7	14	4	46
21	31	c	Wolfgang	The Massacre in *Ireland*,	21		16		44
22	Nov.		All Saints	The bloody Design of As-	22		18		42
23	2	e	Om.Anim	sassinating His Present Ma-	23		10		40
24	3	f	22 p. Trin.	jesty, King *William*? He	24		22		38
25	4	g	Amantius	would have been seven	25	7	24	4	36
26	5	a	Petronel	times more Epicure and A-	26		26		34
27	6	b	Leonard	theist than he was. For, as	27		28		32
28	7	c	Florent.	the Temporal Sword is to	28		30		30
9	8	D	Severus	be drawn, with great Cir-	29		32		28
30	9	e	Theodore	cumspection, in Cases of Re-	30		34	4	26
31	10	f	23 p. Trin.	ligion;	31	7	36		24

November hath xxx Days.

☽ New Moon the 3d day, at 9 at night.
☽ First Quarter the 11th day, at 3 in the afternoon,
● Full Moon the 18th day, at 6 in the morning.
☾ Last Quarter the 25th day, at 6 in the morning.

1	D	All Saints	libra	24	4	M	56	Sharp and frosty Air
2	e	All Souls	scorp.	6	5		54	at the beginning, af-
3	f	☽ n.L. col. serp	scorp.	18	New		●	terwards high Wind
4	g	☽ n. Cor. Scor.	sagit.	0	5	A	00	and Snow, or cold
5	a	Gunpowder Plot	sagit.	12	5		38	Rain; and so contin-
6	b	☽ n. De Hum O.	sagit.	24	6		26	nues stormy and tur-
7	C	23 Sun. p. Trin.	capr.	6	7		26	bulent, with store of
8	d	☽ n. Cau. vult.	capr.	19	8		32	moisture; then more
9	e	☽ n. Luci. vult.	aqua.	2	9		40	mild for a while; but
10	f	☽ n.D. Hum. ♒	aqua.	15	10		50	about the 11th day
11	g	Martinmas day	aqua	28	12		00	windy and stormy wea-
12	a	Sol in Sagittary	pisces	12	0	M	00	ther is expected; after-
13	b	☽ n. Ca.Ce.Bo.	pisces	26	1		15	wards seasonable wea-
14	C	24 Sun p. Trin.	aries	11	2		32	ther, ☽ ♃ ♀ ✶ ☉ ♄
15	d	☾ n. prim. ✶ Ari.	aries	26	3		50	with some light frosts
16	e	☿ ♒ 3.	taur.	11	5		10	and continues mode-
17	f	♃ ♏ 14.	taur.	26	6		30	□ ♄ ♀ rate till after
18	g	♂ ♏ 20.	gem.	11	Full		●	the Full Moon; then
19	a	♀ ♏ 5.	gem.	26	5	A	40	✶ ♂ ☿ expect an in-
20	b	☿ ♏ 21.	canc.	10	6		45	crease of cold, and a-
21	C	25 Sun p. Trin.	canc.	24	7		54	bout the 22d or 23d
22	d	☽ n. Asellus	leo	7	9		6	days, windy, rough
23	e	☽ n.cor Leonis	leo	20	10		16	and downright Win-
24	f	☽ n. Luc.in T.L	virgo	3	11		24	ter-like weather; af-
25	g	☽ n. Cau. Leo.	virgo	15	12		30	terwards, foggy, and
26	a	☽ n. vindemiat.	virgo	27	0	M	30	more mild, in respect
27	b	Term Ends	libra	9	1		34	of ♂ ☿ ♀ cold, and
28	C	Advent Sunday	libra	21	2		36	✶ ♄ ☿ continues fog-
29	d	☽ n. lanx. Aust.	scorp.	2	3		38	gy, but at the end
30	e	St. Andrew	scorp.	14	4		40	windy weather.

1 Moons setting.

1 Moons rising.

Saturn *sets about* 8 *at Night.*
Jupiter *at the end emergeth from the Sun Beams, and riseth before him.*
Mars *rises between* 1 *and* 2 *in the Morning.*
Venus *rises between* 4 *and* 5 *in the Morning.*
Mercury *riseth before the Sun.*

English Account	Forein Account.	Roman Kalendar	Rom. Saints days.							
1	11	g	Martin Ep.	gion. So it is a thing monſtrous, to put it into the Hands of Common People. It was great Blaſphemy, when the Devil ſaid, I will Aſcend, and be like the Higheſt. But it is greater Blaſphemy, to Perſonate God, and bring him in, ſaying; I will Deſcend, and be like the Prince of Darkneſs. And what is it better, to make the cauſe of Religion, to deſcend to the Cruel and Execrable Actions of Murthering of Princes, Butchery of People, and Subverſion of States and Governments? Surely this is to bring down the Holy Ghoſt, inſtead of the likeneſs of a Dove, in the Shape of a Vulture or Raven; and to ſet out of the Bark of a Chriſtian Church, a Flag of a Bark of Pyrates, and Aſſaſſins Therefore it is moſt neceſſary, that the Church, by Doctrine and Decree, Pri-	1	7	38	4	22
2	12	a	Cunibert		2		39		21
3	13	b	Brice		3		41		19
4	14	c	Frederic		4		43		17
5	15	d	Leopold		5		45		15
6	16	e	Othinarus		6		46		14
7	17	f	24 p. Trin.		7		48		12
8	18	g	Heſechias		8		49		11
9	19	a	Elizabeth		9		51		9
10	20	b	Edmond R.		10	7	52	4	8
11	21	c	Oblat. V.M		11		54		6
12	22	d	Cæcilia		12		55		5
13	23	e	Clement		13		57		3
14	24	f	25 p. Trin		14		58	4	2
15	25	g	Catherin		15	8	0	4	0
16	26	a	Conradus		16	8	1	3	59
17	27	b	Agricola		17		3	3	57
18	28	c	Ruffus		18		4		56
19	29	d	Saturnius		19		6		54
20	30	e	St. Andrew		20		7		53
21	Dec. 1	f	Advent S.		21		8		52
22	2	g	Longinus		22		9		51
23	3	a	Libanus		23	8	10	3	50
24	4	b	Caſſian.		24		11		49
25	5	c	Barbara		25		12		48
26	6	d	Sabina		26		13		47
27	7	e	Nicholas		27		14		46
28	8	f	2 S. Advent		28		15		45
29	9	g	Cyprian		29		15		45
30	10	a	Miltiades		30	8	16	3	44

December hath xxxi. Days.

● New Moon the 3d day, half an hour past 3 in the afternoon.
☽ First Quarter the 11th day, at 1 in the morning.
○ Full Moon the 17th day, half an hour after 5 at night.
☾ Last Quarter the 25th day, at 8 in the morning.

1	f	☽ n. fin. man. op.	scorp.	26	5	M	42		Cloudy and close
2	g	☽ n. cor scorpion	sagit.	8	6		40		at the beginning, with
3	a	☽ n. D. Hum. O.	sagit.	21	New		●	↓ Moons Setting.	some little frost, and so
4	b	☽ n. Luci. Ly.	capr.	3	5	A	15		continues moderate, in
5	c	2 Sun. Advent	capr.	16	6		12		respect of the Season
6	d	☽ n. Luci. vult	capr.	29	7		18		with some Snow, or
7	e	♄ ♒ 5.	aqua.	12	8		26		Sleet about ✱ ☌ ☿
8	f	☿ ♐ 18.	aqua.	25	9		38		this time, yet no great
9	g	☌ ♒ 0. 0.	pisces	9	10		52		□ ☉ ☌ alteration
10	a	☿ ♆ 1.	pisces	22	12		8		till the 12 or 13 days,
11	b	Sol in Capric.	aries	6	0	M	8		then windy weather
12	c	3 Sun. Advent	aries	21	1		24		✱ ♄ ♀ is expected,
13	d	☿ ♆ 27.	taur.	5	2		40		with storms of Rain
14	e	☽ n. Pleiades	taur.	20	3		54		or Snow, □ ☌ ☿ and
15	f	Ember Week	gem.	4	5		10		after the Full Moon,
16	g	☽ n. Alhaiot	gem.	19	6		22		frosty and good win-
17	a	☽ n. Syrius	canc.	4	Full		○	↑ Moons Rising.	terly weather, conti-
18	b	☽ n. Ca. & Po.	canc.	18	5	A	20		nues for some days,
19	c	4 Sun. Advent	leo	2	6		34		without any great
20	d	☽ n. cor leonis	leo	15	7		50		alteration, ☌ ☉ ☿
21	e	St. Thomas	leo	28	9		00		till the 27 or 28
22	f	☽ n. luc in T. L.	virg.	11	10		4		days, then some win-
23		☽ n. caud. leon.	virgo	23	11		6		△ ♄ ☌ dy and rough
24	a	☽ n. vindemiat.	libr.	5	12		6		weather is expected;
25	b	Nativ. Christ	libr.	17	0	M	6		✱ ♃ ☿ and at the
26	c	St. Stephen	libr.	29	1		6		end, frosty weather.
27	d	St. John	scor.	11	2		6		
28	e	Innocents	scor.	23	3		10		
29	f	☽ n. C[illegible] Scor.	sagit.	5	4		12		
30	g	☽ n. Dex. H. O.	sagit.	17	5		10		
31	a	☾ n. fin. Man. Sa.	sagit.	29	6		00		

DECEMBER, 1697.

Saturn *at the beginning, sets about 7 at the end he sets between 5 and 6 at Night.*
Jupiter *rises between 4 and 5 in the Morning.*
Mars *rises about Midnight.*
Venus *rises about 6 in the Morning.*
Mercury *goeth to Combustion.*

English Account.	Forein Account.	Roman Kalendar	Rom. Saints days.						
1	11	b	Damasus	ces by their Sword, and all	1	8	16	3	44
2	12	c	Elfred	Learnings, both Christian	2	8	17	3	43
3	13	d	Lucia V.	and Moral, as by their Mer-	3		17		43
4	14	e	Auxentius	cury Rod, do damn and send	4		18		42
5	15	f	3 S. Advent	to Hell, for ever, those Sects	5		18		42
6	16	g	Ananias	and Opinions, tending to	6		18		42
7	17	a	Lazarus	the support of the same; as	7		18		42
8	18	b	Bernardin	hath been already in good	8		19		41
9	19	c	Loth	part done. Surely, in Coun-	9		19		41
10	20	d	Julian	sels, concerning Religion;	10		19		41
11	21	e	St. Thomas	that Counsel of the Apostle,	11	8	19	3	41
12	22	f	4 S. Advent	would be preferred, *Ira ho-*	12		19		41
13	23	g	Victor	*minis non implet Justitiam*	13		19		41
14	24	a	Adam & E.	*Dei.* And it was a Nota-	14		19		41
15	25	b	Christmass	ble Observation, of a Wise	15		18		42
16	26	c	St. Stephen	Father, and no less ingeni-	16		18		42
17	27	d	St. John	ously confessed; That those	17		18		42
18	28	e	Innocents	that held and persuaded	18		17		43
19	29	f	Jonathan	Pressure of Consciences, were	19		1[illegible]		43
20	30	g	David	commonly Interested therein	20	8	16	3	44
21	31	a	Silvester	themselves, for their own	21		16		44
22	Jan.		1697 Cir.	Ends.	22		15		45
23	2	b	Abel		23		15		45
24	3	c	Enoch		24		14		46
25	4	d	Methusal.		25		13		47
26	5	e	Simeon		26		13		47
27	6	f	Epiphany		27		12		48
28	7	g	Julian		28		11		49
29	8	a	Erhardus		29		10		50
30	9	b	Marcellus		30	8	9	3	51
31	10	c	Agathus		31		8		[illegible]

A TABLE shewing how many Years purchase a Lease or Annuity (to endure for any number of Years under 33) is worth presently, at Interest upon Interest, at Six in the Hundred; and shewing plainly how to discount any Lease in being, and the value of the Reversion after any number of Years.

Years of a Lease.	Years.	Months.	10th parts.
1	0	11	0
2	1	9	9
3	2	8	1
4	3	5	9
5	4	2	5
6	4	11	1
7	5	7	0
8	6	2	7
9	6	9	9
10	7	4	3
11	7	10	7
12	8	4	6
13	8	10	3
14	9	3	6
15	9	8	5
16	10	1	3

The Use and Explanation of the TABLE.

The first Column towards the left Hand sheweth the Years of a Lease, or Annuity, and right against each Year, is the Years, Months, and Tenth Parts of a Months purchase, that such a Lease or Annuity is worth. Example:

Suppose a Lease or Annuity to continue 12 *Years, and you would know how many Years purchase it is worth in present Mony, look in the Table for Twelve Years of a Lease to the left Hand, and against the same you shall find* 8, 4, 6, *which sheweth that such a Lease is worth* 8 *Years,* 4 *Months, and* 6 *Tenth parts of a Months Purchase.*

Years of a Lease.	Years.	Months.	10th parts.
17	10	5	8
18	10	9	3
19	11	1	9
20	11	5	7
21	11	9	3
22	12	0	5
23	12	3	6
24	12	6	6
25	12	9	4
26	13	0	0
27	13	2	5
28	13	4	9
29	13	7	1
30	13	9	2
31	13	11	1
32	14	1	0

AGAIN:

If you are to take or buy the Reversion of any Lease or Annuity, work thus; Suppose the Lease to be Thirty Years in all, you find in the Second Table and Right Hand against Thirty, 13 Years, 9 Months, and 2 Tenth Parts of a Months Purchase, this it were worth were it in present Possession. But suppose there be a Lease of five Years (more or less) before you commence, look in the Table against the five Years, and there you find four Years, two Months, and 5 Tenth parts of a Months purchase: Take this out of the Sum against Thirty, which is, 13, 9, 2, the Remainder is, 9, 6, 7, which is 9 Years, 6 Months, and 7 Tenth Parts of a Month; and so much is the Reversion after five Years worth, the Remainder of Thirty Years.

This is Useful, and very Easie.

SAUNDER, 1697.

The Second Part.

Containing the Eclipſes; the Suns Quarterly Ingreſſes, the Southing of the ſeven Stars for every 5th. day of this Year. With directions for finding the Riſing, Southing, and Setting of ſeveral Fixed Stars; Alſo Rules and Tables for the meaſuring of Board, Glaſs, Pavements, or other Superficial meaſure; as alſo to Meaſure Timber; And many other things worth Obſervation.

The Characters of the Twelve Signs.

♈ Aries, ♉ Taurus, ♊ Gemini, ♋ Cancer, ♌ Leo, ♍ Virgo, ♎ Libra, ♏ Scorpio, ♐ Sagittary, ♑ Capricorn, ♒ Aquarius, ♓ Piſces.

The Characters of the Planets, with the Dragons Head and Tail, ♄ Saturn, ♃ Jupiter, ♂ Mars, ☉ Sol, ♀ Venus, ☿ Mercury, ☽ Moon, ☊ Dragons Head, ☋ Dragons Tail.

The Aſpects.

☌ Conjunction, ⚹ Sextile, □ Quartile, △ Trine, ☍ Oppoſition.

A Brief Chronology of Memorable things, to this Year, 1697.

The Creation of the World	5646
Noahs Flood	3997
The deſtruction of Sodom and Gomorrah	3599
The deſtruction of Troy	2879
Brute entred this Iſland	2107
The Building of *London*	2104
The Building of *York*	2018
The Building of *Leiceſter*	2640

The building of *Canterbury* 4[illegible]
The building of *Stamford* 3560
The building of *Rome* 2443
The deſtruction of *Jeruſalem* by *T. Veſp.* 2610
England firſt received the Chriſtian Faith 1515
The Tower of *London* built 1138
Duke *William* conquered *England* 631
Weſtminſter Hall was built 598
The Bible divided into Chapters 501
The Invention of Guns 815
The Art of *Printing* 4[illegible]
St. *Pauls* Steeple fired by Lightning 136
New Star in *Caſſiopeia* 124
A great Snow fell *Feb.* 4. 119
Tilbury Camp on St. *James*'s day 109
A Plague in *London*, whereof dyed 30598 91
Gunpowder Treaſon, *November* 5. 91
A great Snow, and *Smithfield* paved 8[illegible]
A great Plague in *London*, whereof dyed 35418 7[illegible]
The Long Parliament began, *November* 3. 5[illegible]
King *Charles* the Firſt was Murdered 4[illegible]
Two Comets appeared in *December* and *March* 3[illegible]
The doleful Plague that followed them 3[illegible]
London was burnt, *September* 2, 3, 4, 5 3[illegible]
The laſt great Snow 2[illegible]
The wonderful Comet in *December* 2[illegible]
A Comet in *Auguſt* 2[illegible]
The terrible Fire in *Wapping*, *November* 19. 1[illegible]
A great Earthquake, *October* the 6th 2[illegible]
The laſt great Froſt 3[illegible]
The Rebellion in the *Weſt* 3[illegible]
The ſeven Biſhops ſent to the Tower, *June* 8[illegible]
The Prince of *Orange* Landed, *November* 5. 1[illegible]
King *William* went to *Ireland* with an Army, *July* 1[illegible]
The *French* Fleet beaten by the *Engliſh* and *Dutch*, &c. 1[illegible]
Our Moſt Gracious Queen *Mary* Dyed, *Dec.* 28. 1[illegible]
The Horrid Conſpiracy to Aſſaſſinate His Majeſty King *William*, and to bring in the *French*, was happily diſco. 1[illegible]

Of the Eclipses this Year 1697.

THere will happen this Year, to the Inhabitants of this *Planetary Globe* whereon we live, Four *Eclipses*; *viz.* Two of the *Sun*, and Two of the *Moon*. But there will be only one of them visible here in *England*, and that is the last Eclipse of the *Moon*. They happen as followeth.

The first will be an Eclipse of the *Sun* the 14th day of *April*, a little before 1 of the Clock in the Morning, and therefore not visible unto us, but will appear a very great Eclipse to our *Periæci*; it will also appear very Considerable about the Land of *Jesso* or *Jedso*, also in the Island of *Japan*, and North of *California*.

The second Eclipse will be of the *Moon* the 26th day of *April*, about 7 of the Clock in the Morning, and therefore not visible unto us. She will be about one half Eclipsed, and will appear to most part of *America*.

The third will be an Eclipse of the *Sun* the 5th day of *October*, about 3 of the Clock in the Morning, and therefore cannot be seen by us, but will appear to the South parts of the World, *viz.* about *New Zeland*, *New Holland*; and South from thence, it will appear very great: It will appear very great also about *Anthony van Diemens* Land, and toward the *Antartick* Circle.

The fourth and last Eclipse will be of the *Moon*, the 19th day of *October*, between 7 and 8 of the Clock at Night. It will be visible to us if Clouds interpose not.

The Calculation thereof is as followeth.

October the 19th at 7 hours, 42 min. Afternoon.

	Sign	deg.	′	″
The Place of the *Sun* is	♎	27	02	00
The Place of the *Moon* is	♈	07	02	00
The *Node* ascending substract	6	29	11	58
Her's Argument of Latitude	6	07	50	02
Moons Latitude, *South* Ascending	0	00	40	50
Reduction subtract			1	56
Time of *Reduction* added			3	12
Correct time, *October* the 19th. at, hours	7	45	18	
Equation of time added			12	58
Apparent time at *London*, at hours	7	58	06	
Difference of *Meridians* subtract		4	00	

	hon.	′	″
Apparent time at *Leicester*, at	7	54	09
Semidiameter of the *Moon*		16	44
Semidiameter of the Earths shadow		46	25
Summ of their Semidiameters		63	09
Moons Latitude substract		40	50
Rests parts deficient		22	19
The *Digits* Eclipsed are 8		00	00
Minutes of *Incidence*		48	10
Time of *Incidence*	1	21	13
Interval of the true ☍, and greatest Obscuration sub.		05	59
The Beginning of the *Eclipse* at	6	26	57
Middle of the *Eclipse*, at	7	48	10
The end, at	9	09	23
The Total Duration of the Eclipse	2	42	26
Moons Latitude at the beginning } *South* Asc.	—	36	30
Moons Latitude at the end } *South* Asc.	—	45	10

A Type of the ECLIPSE.

As to the portent of Eclipses, 'tis said, That an Eclipse of the *Sun*, *In* ♉ *denario primo negotiatores affligit, & Irata tractare cogit, omniaque eorum negotia subruit: Satis quoq; & sagittibus obest. Et in* ♒ *Decem ultimis Gradibus Nobilium controversias, & fortunarum detrimenta portendit.* And that an Eclipse of the *Moon*, *In* ♓ *decem medio Grad. aerem infectat, & Febres aestivas facit;* &

& in ♉ denario primo, nece, morboq; grassatur in pecudes. Thus much of the signification of Eclipses.

I must here acquaint my Country-Men with the gross Blundring and Inartificial Calculations of our Famed Ephemeridist and Annual Writer, Mr. *Gadbury*; who pretending to Calculate the Eclipses of the *Moon* Last Year in his Annual Copy, hath, in that Eclipse which happened the 6th of *May*, mistaken above 20 minutes in the *Moons* true Latitude, making it in the middle of the Eclipse 23 min. 49 sec. S. A. when as it was not 3 minutes, and that South Descending; he hath hereby made the Digits Eclipsed not much above 13, when as they were above 20; and the Continuance of Total Darkness (though afterwards he says above an Hour) by his Calculation is not above 49 minutes, when as truly it was above twice so long. Now whether this great Artist knew where he was, or what about when he wrote thus, is a Question. Indeed I have known some in their Travels that through Carelesness or Sleepiness have wandred out of the way, yet no sooner had they rubbed their Eyes and looked about them, but they have found themselves in an Errour, and have presently endeavoured to get to rights again. But this Man, I fear, was altogether in the dark; for had he but looked into his own *Ephemerides*, and could he have given Credit thereto, he might by Inspection (a little Consideration therewith) have found that at the time of the Eclipse, the *Sun* was not distant one degree from one of the Nodes, and consequently the *Moon* being in ☍ to the *Sun*, must be about the same distance from the other Node; from hence by looking into a Table of the *Moons* Latitude, it would appear that her Latitude could not be one fourth part of what he hath set down, and then by consequence the Parts deficient, Digits Eclipsed, and Total Darkness, must be much greater than he hath noted. And then who but Mr. *Gadbury* would thus puzzle and lose himself in that intricate thing or Labyrinth, called the Calculation of an Eclipse, when by this gross way of Computation or Guessing, one may come so much nearer the Truth than he hath done. But indeed it may be feared that (notwithstanding his great boasting of his large Experience, and great Pains taken) he is yet a meer *Tyro* in *Astronomy*; for after he hath given a Type of this Eclipse, (which (by what misfortune I know not) doth directly contradict his

Calculation in respect to the *Moons* Latitude) he thus goes on? *This for the Astronomical part, and to shew you how much the* Moon *will be darkened at* London, *and in most parts of the whole Nation.* As though the *Moon* would appear more or less darkened if beheld from different places of this Nation, or from different parts of the Earth. The Eclipse of *October* the 30th appears by the Type to be Calculated much as the other is: And here he says, That *Astronomy tells us when an Eclipse happens, and how great the Obscurity, and which side of the* Moons *Body will be darkned*, &c. —But I fear when he called to *Astronomy* to have account of these Eclipses, he stood at too great a distance, to be heard by Her, and was answered only with an Eccho.

He hath also pretended to Erect a Scheme for the *Suns* entring into *Capricorn*, *December* 1695. as being the time of the Years commencing, and hath therein mistaken in the time near one whole day; for the *Sun* entred ♑ *December* the 11th a little after Noon; but his Figure is set for the 12th day a little after Noon, as he there tells you, and as will also plainly appear by the places of ☿, the ☽ and ⊕: And here he hath misplaced *Mars* near 3 whole Signs, to joyn him with that terrible thing called the *Dragons Head*, and to oppose ♀. And from this mistaken Time, and Planets thus misplaced, doth he derive his Astrological Conjectures, and tells you, *That the Planets* ♂ *and the* ☽ *have signification of the People in this Revolution. The one in Conjunction of the* Dragons Tail, *and in hostile* ☍ *of* ♀, *the other in an angry sullen* ☍ *of* ♄; *which Positions are of great Caution, and advise the Vulgar*, &c. And then a little after goes on; *The Vulgar People, or Commonalty (as I told you) are signified by* ♂ *with the* Dragons Tail, *in* ☍ *of* ♀, *from* ♊ *and* ♐ *double bodied Signs, and by the* Moon *in Opposition of* ♄. These are Mysterious Positions, and seem plainly to tell the Anomalous part of the World that deceitful and double-dealing with or towards their Superiours, &c. And again a little after he says, *Besides this direful* ☍ *of* ☽ *and* ♄, *our Conceptional Scheme contains also an Opposition of* Mars *and* Mercury, *(as I hinted before) an Aspect of much Craft and various Subtilty*, &c. Mercury *hath signification of the Mind, Soul or Spirit, and this* ☍ *wherein he is afflicted of* Mars, *intimates many Mental Discontents and Disturbances to befal him; and as it is made from* ♊ *and* ♐, *it seems to discover divers Cheats and Cozens*, &c. *And again, as this notable* ☍ *is*

Made from the Third and Ninth Angles, it imports many Infidelities, Robbers and Paddars on the Highways, &c. Now after all this Cant of Mr. *Gadbury's*, poor *Mars* was quiet in *Virgo*, 2 Signs from the *Dragons Tail*, and as far from the oppoſition of *Mercury*: He was in the Sixth Angle, and not in the Third, or Second. It was only Mr. *Gadbury's* pleaſure to carry him into *Gemini*, to make him acceſſary to the aforementioned miſchiefs.

And theſe Calculations, I preſume, he gives you as a ſpecimen of his Long and Continued Experience and Long Study. And leaſt you ſhould not take notice of his extraordinary Stile and Genius; he gives you an Epiſtle, and tells you, *I know ſome are deſirous to taſte me of this Revolutional Trouble, who will never be able to match my Stile or Genius. And if the Soul be wanting,* &c. And a little after; *He that ſhall write a Diary, and expect the World to believe it mine, muſt have my Soul and Spirit to aſſiſt him. I am no Prophet or Prophets ſon,* (you may believe him) *and therefore cannot (with the holy* Elijah) *leave the Mantle of my Mind to any.* Thus for want of your taking notice of his great Abilities, is he forced to remind you. But enough of this at preſent. There is hopes he may know better in time; for his own words are, *Is any Man too old to learn?*

Of the Four Quarters of the Year, and firſt of the Spring.

THE *Spring* Quarter begins *March* the 9th at 6 hours, 20′. 2″. *P. M.* making equal Day and Night to all the World (except under the *Poles.*)

Summer Quarter begins *June* 10. at 9 ho. 2′. 37″. *P. M.*

Autumn begins *September* 12. at 0 h. 7′. 30″. *P. M.*

Winter Quarter begins *Dec.* 11. at 0 h. 20′. 53″. in the Morning.

To find the Riſing, Southing and Setting, of ſeveral fixed Stars hereafter mentioned.

IN the Tables following you have firſt the ſeven Stars Southing for every fifth day: in the ſecond Table is ſet the difference betwixt the Southing of theſe Stars therein named, and the ſeven Stars, which being added to the time of the ſeven Stars Southing,

giveth theirs. In the same Table is also set their semidiurnal Arches thereby to find the rising and setting of the said Stars. Suppose it is required to know what time the great Dog-star called *Syrius* will be South the 11th. of *February*? I then find the Seven Stars South at 5 ho. 10 min. to which I add 3 ho. 2 min. the difference annexed to the great Dog-Star, and it makes 8 ho. 12 min. being the time of its Southing the said 11th. of *February*. If to the Southing you add the Semidiurnal Arch 4 ho. 31 min. it gives the time of its setting at 12 ho. 43 min. but if you substract the Semi-diurnal Arch from the Southing it leaveth the time of its Rising. The like may be done by any other of the said Stars.

For the better distinction of the several sizes of Stars they are divided into six several magnitudes, The biggest and brightest Stars are called Stars of the first Magnitude. Those one size inferiour in light, and bigness are called Stars of the second Magnitude, &c. Now for the better knowing the Stars hereafter mentioned, Note, that the great Dog-star, Lions Heart, Virgins Spike, and the bright star of *Lyra*, are accounted stars of the first magnitude, so are also *Aldebaran* and *Arcturus*, but they are Red stars, much of the colour of *Mars*, all the rest in the Table are of the second magnitude, except the Northern and Southern ✱, which are small Stars being of the fourth magnitude.

A Table shewing the Hour and minute of the Seven Stars coming to South, every 5th day of this year, 1697.

Moneths	Dayes of the Moneth. 1		6		11		16		21		26	
	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.
January	7	A 57	7	A 36	7	A 14	6	A 53	6	A 32	6	A 12
February	5	A 49	5	29	5	10	4	51	4	32	4	14
March	4	A 0	3	41	3	23	3	4	2	46	2	28
April	2	A 7	1	48	1	30	1	11	0	52	0	32
May	0	A 14	11	M 54	11	M 34	11	M 14	10	M 53	10	M 33
June	10	M 8	9	47	9	26	9	6	8	45	8	25
July	8	M 5	7	45	7	24	7	4	6	45	6	25
August	6	M 3	5	45	5	26	5	8	4	49	4	31
September	4	M 10	3	52	3	34	3	17	3	0	2	41
October	2	M 22	2	3	1	44	1	25	1	5	0	46
November	0	M 22	0	2	11	A 39	11	A 16	10	A 54	10	32
December	10	A 11	9	A 49	9	26	9	4	8	41	8	20

A Tabl:

A Table shewing the difference in hours and minutes between the coming to south of several fixed stars, and the seven stars, as also their semi-diurnal Arches thereby to find their rising and setting.

Names of the Stars.	Diff. south.	semid. Arches	Names of the Stars.	Diff. south.	semid. Arches
	h. m.	h. m.		h. m.	h. m.
Aldebaran B.eye	0 49	7 28	Lions heart, Baſil.	6 23	7 13
2d.in Orions Girdle	1 51	5 54	Virgins Spike	9 40	5 9
Gr. Dog. Syrius	3 2	4 31	Arcturus	10 32	8 0
Caſtor 1ſt.head ♊	3 46	9 47	South ballance	11 5	4 40
Lit.Dog.Procyon	3 54	6 32	North ballance	11 31	5 16
Pollux,2d.head ♊	3 57	9 4	Northern Crown	11 52	8 55
Northern Aſſ.	4 56	8 12	bright ✳ Lyræ	14 57	ſets not
Southern Aſſ.	4 58	7 49	bright ✳ Vulturis	16 6	6 4

Here followeth ſome few Rules, and Tables for the menſuration of Superficies and Solids.

FOr the Menſuration of ſuperficial or flat meaſures, ſuch as Board, Glaſs, Pavement, Hangings, &c. it will be neceſſary to know how to meaſure any plain ſuperficial figure, as the Square, Long-ſquare, or Parellelogram, Triangle, Circle, parts of the Circle, *&c.* examples of all which do here follow.

I. *How to meaſure a Square.*

Let there be a ſquare floor, or pavement, the ſides whereof are each of them 5 feet 6 inches, and 'tis required to know how many ſquare, or ſuperficial feet are contained therein. Firſt (a good plain way to avoid Fractions will be to) Reduce the whole ſide into inches, 5 feet, 6 inches, being 66 inches, multiply 66 by 66, and the Product will be 4356, the ſuperficial content in inches; then divide 4356 by 144 (the ſquare inches in one foot) and the quotient will be 30 feet, and 36 inches remaining, which is the number of inches in one quarter of a foot; ſo that in ſuch a ſquare is contained 30 feet and one quarter. See the Margin.

66
66
396
396
4356
4356
144
30
432
36

II. *To measure the Long-square or Parallelogram.*

Suppose there be a Pavement whose length is 72 feet, and breadth 12 feet, how many feet is contained therein.

Multiply 72 in length, by 12 the breadth, and the product will be 864, and so many superficial feet are contained in that Pavement.

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 72
 12
---
144
 72
---
864
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III. *To Measure a Long Superficies, which is broader at one end than at the other.*

Let there be a superficies whose length is 72 inches, the breadth of the greater end 50 inches, and the breadth of the lesser end 34 inches, and let it be required to know how many feet are contained therein. First, add the breadths of both the ends together, which maketh 84, take half thereof, which is 42, which being multiplyed by 72 the length, the product will be 3024 the content in inches, which being divided by 144 (the inches in one foot) the Quotient will be 21 feet, and nothing remaining, so that there is exactly 21 feet in such a superficies.

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 72
 42
---
144
288
---
3024
144
---
288 (21
144
```

IV. *How to Measure Triangles.*

All Right lined Triangles are measured by this general Rule.

Multiply half the length of the Base by the whole Perpendicular. Or, the whole length of the Base by half of the Perpendicular.

Suppose the Base of a Triangle be 44, and the Perpendicular 26, what is the Content.

Multiply 44 (the Base) by 13, (half the perpendicular) the Product will be 572 : Or 22 (half the Base) being multiplyed by 26, (the whole perpendicular) the Product will be 572, as before, which is the Content of such a Triangle.

V. All *Trapezias*, or Figures with four unequal sides; also Multangular, or many sided irregular Figures, must be divided into Triangles, and those Triangles measured as before is taught, and their sums added together will give the content of such irregular Figures. And note, that the least number of Triangles, into which any plot or irregular figure may be reduced, will be less by two than the number of the sides of such irregular figures.

VI. *How to measure Circles, and parts of Circles.*

The Diameter of every Circle hath such proportion to the circumference of the same Circle as 7 hath to 22. Therefore the

The Diameter being given to find the circumference, you muſt multiply the Diameter by 22, and the product being divided by 7, the Quotient will be the circumference. Thus, ſuppoſe the Diameter of a Circle be 14, multiply 14 by 22, the product will be 308, which being divided by 7, the Quotient is 44, being the circumference of that Circle whoſe Diameter is 14.

Having the Circumference to find the Diameter.

Multiply the circumference given by 7, the product divide by 22. and the Quotient will be the Diameter. Let the circumference of a circle be 60, multiply 60 by 7 the product will be 420, which being divided by 22, the Quotient will be 19, and $\frac{2}{22}$ or $\frac{1}{11}$ which is the Diameter.

To find the Area or Superficial content of a Circle. Multiply half the circumference by half the Diameter, the product is the content of the Circle: Thus, Let the circumference be 60, the half whereof is 30, and the Diameter 19 $\frac{2}{22}$ the half whereof is $9\frac{12}{22}$, by which multiplying 30, the product will be $286\frac{4}{11}$ which is the ſuperficial content of ſuch a Circle; or,

By the Diameter to find the Area of the circle. Firſt, ſquare the Diameter, multiply the ſquare by 11, and divide the product by 14, the Quotient is the ſuperficial content of the circle.

Let the Diameter be as above $19\frac{1}{11}$ the ſquare whereof is $364\frac{16}{121}$ this multiplied by 11 produceth $4009\frac{5}{11}$ which being divided by 14 the Quotient is $286\frac{4}{11}$ as above, being the ſuperficial content of ſuch a circle.

To meaſure the ſuperficial content of half the circle, the quarter of a circle, or of any other ſection of a circle, more or leſs, having the ſemidiameter given.

Multiply half of the compaſs thereof by the ſemidiameter of the circle, ſo ſhall you have the content.

Of the Menſuration of Solids.

AS Plain or Superficial Meaſure conſiſteth of two dimenſions, namely, length and breadth; ſo Solid meaſure conſiſteth of three dimenſions, namely, length, breadth and thickneſs.

To meaſure any kind of Timber, either Square, Triangular, Round, or of any other Faſhion, provided it be ſtraight and equal all along.

Caſt up the ſuperficial Content at the end thereof, by the Rules before going, for the finding the Content of the Square, Triangle, Circle, &c. which Superficial Content being multi-

plyed

plyed by the length of the Piece, will give you the Solid Content thereof. *Example.* Let there be a piece of Timber, (or other ſolid matter) whoſe breadth is 18 inches, its depth 13 inches, and length 142 inches, to find how many ſolid feet are contained therein. Firſt, multiply the breadth 18 by the depth 13, the product is 234, being the ſuperficial inches at the end of the piece. Secondly, multiply this 234 by 142 the length of the piece, and the product will be 33228, the ſolid Content in inches. Thirdly, divide 33228 by 1728, (being the number of cubical inches in one ſolid foot) and the quotient will be 19, and 396 inches remaining, which is 19 ſolid feet, and almoſt one quarter of a foot, and ſo much is the ſolid content of ſuch a piece.

A 2d Example of a round piece. Let there be a round piece of Timber whoſe compaſs is 60 inches, and the length 20 feet, (or 240 inches) and let it be required to find the ſolid content thereof. Firſt, by the help of the circumference 60, find the Diameter (as before is taught) by multiplying 60 by 7, and dividing the product thereof by 22, ſo ſhall you find the Diameter to be $19\frac{1}{11}$. Then by either of the ways before taught, *viz.* by multiplying $\frac{1}{4}$ the circumference by $\frac{1}{2}$ the Diameter; or by (ſquaring, or) multiplying the Diameter in it ſelf, and multiplying that ſquare by 11, and dividing the product by 14, the ſuperficial content of the end of ſuch a piece will be found to be $286\frac{4}{11}$ inches. Now multiply this $286\frac{4}{11}$ by the length of the piece 240, and the product will be $68727\frac{3}{11}$ the content in inches, which being divided by 1728, the quotient will be 39 feet, and $\frac{3}{4}$ of a foot, and $39\frac{1}{11}$ inch remaining, which is the ſolid content of ſuch a piece of Timber. But had this piece of Timber been meaſured by that egregiouſly falſe way of taking $\frac{1}{4}$ part of the Girt for the ſide of the ſquare equal, it would have been found to be but 31 feet and $\frac{1}{2}$ of a foot, which is above $\frac{1}{5}$ part leſs than the truth, it being 39 feet, & above $\frac{3}{4}$.

In behalf of that erroneous way many do plead, that in round Timber there is great loſs in chipping to bring it near a ſquare, therefore that way may be allowed; but this is very unequal: in great Timber there being little loſs, in ſmall Timber much, let therefore the quality be conſidered, rather than make ſuch unequal amends by a falſe quantity.

Of the Menſuration of Tapering Timber, either round or ſquared, ſuch as Fruſtums of Cones and Pyramids.

FIrſt find the ſuperficial Area of each end of the piece, and multiplie the one Area by the other. Secondly, out of the

product of the two Area's, extract the Square Root. Thirdly, add this Root and the two Area's all into one sum. Lastly, multiply this sum by one third part of the length of the piece, and that product shall give you the Content.

Let there be a piece of Timber whose Circumference at the greater end is 66 inches, at the lesser end 44 inches, and the length 20 feet, and it is required to find how many solid feet are contained therein. First, the Area of the Circle at the greater end (by multiplying half the Circumference 33 by half the Diameter $10\frac{1}{2}$) will be found to be $346\frac{1}{2}$, and the Area of the Circle at the lesser end will be 154: These multiplyed together do produce 53361. Secondly, out of this product extract the Square Root, which is 231, (for 231 being multiplyed in it self produceth 53361). Thirdly, add the two Areas, and the Square Root 231 together, and the sum of them will be $731\frac{1}{2}$. Lastly, multiply $731\frac{1}{2}$ by 80 inches, (one third part of the length) and the product will be 58520, being the solid inches contained therein, which inches being divided by 1728, the Quotient will be 33 feet, and 1496 inches remaining, which is 3 quarters of a foot, and almost half a quarter.

To find the Content of Tapring Timber, other ways than is taught above.

These pieces being parts of Cones or Pyramids, their Contents may be found by seeking the Content of the whole Cone or Pyramid, (of which they are part) and the Content of that part which is wanting, for that part being substracted from the whole, the remainder must be the Content of the part required.

Now the way to find the content of a Cone or Pyramid is, to multiply the superficial Content of the Base by one third part of the length; and to find the length of the top part of a Cone or Pyramid which is wanting; say thus, as the difference of the sides, or Diameters of the two ends, to the length between them; so is the side, or Diameter of the greater end, to the whole length. *Example*, of the piece before mentioned, whose greater end is 66 inches about, and the lesser end 44; hence the Diameter of the greater end will be 21, and the Diameter of the lesser end will be 14, and their difference is 7, therefore say, If 7 give 20 feet what will 21 give; Answer, 60 feet, being the whole length of the Cone; now the superficial

content

WAlter Lloyd *at the* Antient Fowler *in* Tower ſtreet, London, *ſells the fineſt, ſtrongeſt glazed or not glazed Gun-Powder, which by the Experience of ſeveral Perſons hath conſiderably out-don any yet made: And all other ſorts of Gun-Powd is ſold by him at very Reaſonable Rates.*

THE *Collection for improvement of Husbandry an Trade, by* John Houghton, F. R. S. *is no publiſhed Weekly, and ſold at a Penny each, By* Whitlock, *near* Stationers-Hall, *and moſt of the* Book ſellers *in* England; *Where alſo may be had th* Quarto Volumes *finiſhed in* 1683. *The Sixpenny ſhe of* Acres, Houſes, Tax, &c. *The ſeveral* Folio Vo lumes, *and the ſubſequent ſheets.*

THE *Author of this* Almanack *being lately Remov from* Ouſton *in the County of* Leiceſter, *to* Leeſ thorp *near* Melton Mowbray *in the ſaid County, ha thought fit to give Notice, That*

IF *any Gentleman or other Perſon would have h Land ſurveyed, or any Building or Edifice mea ſured, either for Bricklayers, Carpenters, Maſon Plaiſterers, &c. The Author of this Almanack wi perform the ſame, either for Maſter or Workmen: An if any Perſon would have about his Houſe or Garde any Sun-Dyals; either Direct, Declining, Inclining Reclining, Concave, Convex or Reflective. He wi make or prepare for them ſuch as they ſhall deſire.*

From *Leeſthorp* near *Melton Mowbray* in the County of *Leiceſter. Sept.* 4. 1696.